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December 17, 2018

SENT VIA: ELECTRONIC MAIL AND US MAIL

Mr. Jeffrey Thomas
Remedial Project Manager
U.S. Environmental Protection Agency
Hazardous Site Cleanup Division, 3HS23
1650 Arch Street
Philadelphia, PA 19103

**RE: QUARTERLY PROGRESS REPORT FOR THE AVTEX FIBERS SUPERFUND SITE FOR THE PERIOD
1 JULY TO 30 SEPTEMBER 2018**

Dear Mr. Thomas,

FMC Corporation (FMC) has enclosed one clipped copy of the Quarterly Progress Report for remedial activities undertaken by FMC at the Avtex Fibers Superfund Site, Front Royal, Virginia (Site). This Quarterly progress report addresses the reporting requirements in 1999 Consent Decree between the United States of America and FMC Corporation to conduct removal and remedial actions. In accordance with Section XI, Paragraph 45 of the Consent Decree, FMC has prepared this progress report to describe actions taken pursuant to the Consent Decree during the previous quarter.

If you have any questions or comments, please call me at 215-299-6047.

Sincerely,

Brian McGinnis
EHS, Remediation Manager

Enclosure (1)
cc: W. Jordan B. Kiracofe, VADEQ
H. Philip, Parsons
M. Robinson, Parsons

QUARTERLY PROGRESS REPORT
for the Avtex Fibers Superfund Site, Front Royal, Virginia
for the Period July 1 to September 30, 2018

1.0

INTRODUCTION

FMC Corporation (FMC) has conducted removal and remedial activities at the Avtex Fibers Superfund Site, Front Royal, Virginia (Site). The removal action, remedial design, and remedial action activities were performed pursuant to the 1999 Consent Decree between the United States of America and FMC Corporation (effective 21 October 1999).

On August 29, 2014, USEPA issued a document titled, "Superfund Preliminary Close-out Report," which documented construction completion at the Site. The completion of construction at the Site marked its transition into the O&M phase. Full-scale operations and maintenance were achieved when the Groundwater and Leachate Treatment Plant (GLTP) began operating in continuous biological mode in September 2015. During the September 8, 2014 monthly call between EPA and FMC, EPA agreed that the former monthly progress reporting for the site could be reduced to quarterly during O&M phase as specified in paragraph 45 in Consent Decree. In accordance with Section XI, Paragraph 45 of the Consent Decree, FMC has prepared this quarterly progress report to describe actions taken pursuant to both the Areas of Concern (AOC) and Consent Decree during the months of July, August, and September 2018.

This report includes progress towards full completion of removal and remedial activities, and follows formatting consistent with previous reports. Daily operations and maintenance activities will be ongoing and will follow requirements in the Site-Wide O&M Plan (FMC, May 2015), which will include the Operations and Maintenance Manual Groundwater and Leachate Treatment Plant (Parsons, May 2015), and the Operations, Maintenance and Monitoring Manual Groundwater and Leachate Extraction System (Parsons, May 2015) with any major deviations reported in the sections below. The Site-Wide O&M Plan replaces prior response action specific O&M Plans, such as those presented in the various design documents.

In accordance with Section XI of the Consent Decree, this quarterly progress report contains the following:

- Description of actions taken during the previous quarter;
- Summary of data generated by FMC during the previous quarter;

- Actions scheduled for the next quarter;
- Description of problems and actions taken to mitigate the problems;
- Update on the schedule of actions and percentage completion of tasks;
- Modification to the Work Plans or other schedules; and
- Activities undertaken in support of the EPA Community Relations Plan.

Attachment 1 lists correspondence and deliverables transmitted from FMC or FMC contractors to EPA, and from EPA or EPA contractors to FMC for the previous quarter.

The remainder of the quarterly progress report is divided into seven sections (these sections will be removed and updated when actions are completed for the section):

- *Section 2.0 – OU-7/ROD 5 RD/RA.* This section describes remedial design and remedial action activities being conducted under Paragraph 23 in the Consent Decree. The units covered under OU-7 include Viscose Basins (VB) 9-11, site-wide ground water and surface water.
- *Section 3.0 – OU-10/ROD 4 RD/RA.* This section describes remedial design and remedial action activities being conducted under Paragraph 24 in the Consent Decree. The units covered under OU-10 include VB 1-8, the New Landfill, Wastewater Treatment Plant (WWTP) Closure, and Plant Area Soils.
- *Section 4.0 - Non-Time-Critical Removal Actions (NTCRA) for the Buildings.* This section describes the activities being conducted under Paragraph 21.A in the Consent Decree. The scope of the NTCRA-Buildings project is to decontaminate the remaining structures and remove the sewers and manholes.
- *Section 5.0 - Basin Closure.* This section describes the activities being conducted as a NTCRA under Paragraph 22 of the Consent Decree. The scope of this action consists of the closure of the Sulfate Basins, WWTP Basins, Fly Ash Basins, and the Stockpile (Mountain).
- *Section 6.0 – Groundwater and Leachate Treatment Plant O&M.* This section describes the Operations and Maintenance (O&M) activities being conducted to address the discharge requirements for the GLTP.

- *Section 7.0 - Other Site Support Documents.* This section describes site-wide activities that cross over all of management units.
- *Section 8.0 – Community Relations Support.* This section describes activities undertaken in support of community relations in accordance with the Consent Decree requirement.

2.0

***OU-7/ROD 5 (VB 9-11, GROUND WATER, SURFACE WATER)
REMEDIAL DESIGN/REMEDIAL ACTION***

2.1

Actions Taken and Reports Prepared in Previous Period

- Completed quarterly inspection as described in Section 6 of Part 1 of the Site-Wide O&M Plan. The results are presented in Attachment 4.
- Completed quarterly monitoring of gas vents as described in Section 3.0 of Part 1 of the Site-Wide O&M Plan and as amended by the February 28, 2018 letter from Jeff Thomas of EPA with the subject “Proposed Modification to the Passive Gas Vent and Gas Vent Filter System Inspection, Monitoring and Maintenance Section of the Site-Wide Post Closure Care Operations and Maintenance Plan (May 2015).”
- Completed quarterly post-closure OU-7 and site perimeter real time air monitoring as required by Section 2.2 of the Air Monitoring Plan Operable Unit 7, Avtex Fibers Superfund Site, Front Royal, Virginia, October 2011. The results are presented in Attachment 2.
- Completed the annual post-closure OU-7 and site perimeter air sampling as required by Section 2.2 of the Air Monitoring Plan Operable Unit 7, Avtex Fibers Superfund Site; the results from the sampling are currently being validated and will be provided in a future report.
- Completed the annual groundwater sampling in accordance with the Site-Wide Groundwater Monitoring Plan dated February 3, 2015. Completed the annual surface water and sediment sampling in accordance with the Revised Surface Water and Sediment Monitoring Plan Operable Unit 7, Revision 1 dated February 24, 2015.
- Collected annual samples from extracted VB leachate, Lift Station, and TW groundwater for analysis per the requirements of the G&LES O&M Manual.
- The second and third quarter water level measurements as described in Section 2 of the GMP were collected in July (during the annual sampling event) and September, respectively.

2.2

Data Generated in Previous Period

As required by the Air Monitoring Plan, post construction quarterly air monitoring for hydrogen sulfide and organic vapor was completed. The results and a map showing the sample locations is provided in Attachment 2. A relatively low level of hydrogen sulfide (below the action limit) was detected at one OU-7 Perimeter location. No hydrogen sulfide or volatile organic compounds (VOCs) were detected at any of the remaining monitoring locations.

The following instruments were utilized to collect the real-time readings:

- Hydrogen Sulfide: Jerome 613X.
- Organic Vapor: MiniRAE 3000

2.3

Actions to be Completed Next Period

- Complete quarterly water level measurements as described in Section 2 of the GMP (September).
- Complete quarterly inspection as described in Section 6 of Part 1 of the Site-Wide O&M Plan.
- Complete quarterly monitoring of gas vents as described in Section 3.0 of Part 1 of the Site-Wide O&M Plan and as amended by the February 28, 2018 letter from Jeff Thomas of EPA with the subject "Proposed Modification to the Passive Gas Vent and Gas Vent Filter System Inspection, Monitoring and Maintenance Section of the Site-Wide Post Closure Care Operations and Maintenance Plan (May 2015)."
- Complete quarterly post-closure OU-7 and site perimeter real time air monitoring as required by Section 2.2 of the Air Monitoring Plan Operable Unit 7, Avtex Fibers Superfund Site, Front Royal, Virginia, October 2011.

2.4

Problems Encountered and Remedies

No problems were encountered during the previous period.

2.5

Schedule Update

All remedial design and remedial action work associated with OU-7 is complete based on EPA's approvals of the remedial action reports for the

GLTP component and Viscose Basins 9-11 cap system and groundwater and leachate extraction component of OU-7.

3.0 *OU-10/ROD 4 (VB 1-8, NEW LANDFILL, PLANT AREA SOILS AND WWTP CLOSURE) REMEDIAL DESIGN/REMEDIAL ACTION*

3.1 *Actions Taken and Reports Prepared in Previous Period*

- Completed routine monitoring of gas vents as described in Section 3.0 of Part 1 of the Site-Wide O&M Plan and as amended by the February 28, 2018 letter from Jeff Thomas of EPA with the subject "Proposed Modification to the Passive Gas Vent and Gas Vent Filter System Inspection, Monitoring and Maintenance Section of the Site-Wide Post Closure Care Operations and Maintenance Plan (May 2015)."
- Completed quarterly inspection as described in Section 6 of Part 1 of the Site-Wide O&M Plan.
- Completed the annual groundwater sampling in accordance with the Site-Wide Groundwater Monitoring Plan dated February 3, 2015.
- Completed sickle mowing of invasive species/cattails in wetland monitoring areas.
- Completed mowing and survey of basin settlement areas. Flood debris were cleaned from along river road and the final outfall.

3.2 *Data Generated in Previous Period*

None.

3.3 *Actions to be Completed Next Period*

- Complete routine monitoring of gas vents as described in Section 3.0 of Part 1 of the Site-Wide O&M Plan and as amended by the February 28, 2018 letter from Jeff Thomas of EPA with the subject "Proposed Modification to the Passive Gas Vent and Gas Vent Filter System Inspection, Monitoring and Maintenance Section of the Site-Wide Post Closure Care Operations and Maintenance Plan (May 2015)."
- Complete quarterly inspection as described in Section 6 of Part 1 of the Site-Wide O&M Plan.
- .

3.4 *Problems Encountered and Remedies*

No problems were encountered during the previous period.

3.5 *Schedule Update*

All remedial design and remedial action work associated with OU-10 is complete based on EPA's approvals of the remedial action reports for plant area soils, WWTP and VB 1-8 and New Landfill.

4.0 *NON-TIME-CRITICAL REMOVAL ACTIONS (NTCRA) BUILDINGS*

4.1 *Actions Taken and Reports Prepared in Previous Period*

No actions were completed during the previous period because EPA issued a Certificate of Completion.

4.2 *Data Generated in Previous Period*

No new analytical data were generated during the previous month.

4.3 *Actions to be Completed Next Period*

No actions will be completed during the next period because EPA issued a Certificate of Completion.

4.4 *Problems Encountered and Remedies*

No problems were encountered during the previous month.

4.5 *Schedule Update*

All removal action work associated with NTCRA-Buildings is complete.

5.0 *NON-TIME-CRITICAL REMOVAL ACTIONS (NTCRA) - BASIN CLOSURE*

5.1 *Actions Taken and Reports Prepared in Previous Period*

- Completed quarterly inspection as described in Section 6 of Part 1 of the Site-Wide O&M Plan.

- Completed routine monitoring of gas vents as described in Section 3.0 of Part 1 of the Site-Wide O&M Plan and as amended by the February 28, 2018 letter from Jeff Thomas of EPA with the subject "Proposed Modification to the Passive Gas Vent and Gas Vent Filter System Inspection, Monitoring and Maintenance Section of the Site-Wide Post Closure Care Operations and Maintenance Plan (May 2015)."
- Completed the annual groundwater sampling in accordance with the Site-Wide Groundwater Monitoring Plan dated February 3, 2015.

5.2

Data Generated in Previous Period

None.

5.3

Actions to be Completed Next Period

- Complete quarterly inspection as described in Section 6 of Part 1 of the Site-Wide O&M Plan.
- Complete routine monitoring of gas vents as described in Section 3.0 of Part 1 of the Site-Wide O&M Plan.

5.4

Problems Encountered and Remedies

No problems were encountered during the previous month.

5.5

Schedule Update

All removal action work associated with NTCRA-Basins is complete.

6.0

GROUNDWATER AND LEACHATE TREATMENT PLANT O&M

6.1.1

Actions Taken and Reports Prepared in Previous Period

- Completed quarterly wet sprinkler test as well as annual safety lighting and fire extinguisher inspections.
- Completed periodic maintenance on the hot water and boiler system as well as fuel oil tank coating repairs.
- The GLTP operated and discharged to the South Fork Shenandoah River (River) for 92 days from July 1 to September 30, 2018.

Discharge Monitoring

Discharge monitoring was completed as required by the July 24, 2014 VADEQ final Fact Sheet and Applicable or Relevant and Appropriate Requirements (ARARs) for the discharge of effluent from the GLTP. Monthly discharge monitoring included: flow, pH, TSS, BOD₅, and carbon disulfide. The daily and monthly flow and chemical data are listed in the Discharge Monitoring Reports (DMRs) submitted during the third quarter of 2018 provided in Attachment 3 and summarized below.

Table 1.0 Summary of 3Q18 Monthly Effluent Sampling

	Permitted Limits	July 2018 (month avg/daily max)	August 2018 (month avg/daily max)	September 2018 (month avg/daily max)
Flow(gpd)	0.396 MGD	0.084/0.108	0.084/0.093	0.087/0.096
pH (range)	6.5 – 9.0	7.90-8.61	7.85-8.28	7.77-8.31
TSS (mg/L)	40 / 130	<QL	0.8/2.1	<QL/<QL
BOD ₅ (mg/L)	24 / 64	<QL/<QL	<QL/<QL	<QL/<QL
CS2 (ug/L)	No limit established. 0.1mg/l action level	<QL	<QL	<QL

*Where parameters non-detect, the value '0' was used for calculating average and maximum concentrations.

- *Flow.* Flow during discharge was monitored continuously. Additionally, flow rates for the lift stations, test wells and viscose basins for the months of July, August, and September are provided in Table 3.2 (Attachment 3).
- *pH.* pH was monitored continuously during the days that discharge occurred. The pH monitoring results for each month are included in Attachment 3 with the monthly DMRs. The effluent pH was within the range of 6.5 to 9.0 specified in the ARARs.
- *TSS.* TSS was monitored weekly. The permitted monthly daily average limit for TSS of 40 mg/l and the permitted monthly maximum daily limit of 130 mg/l for TSS were not exceeded during this reporting period.
- *BOD₅.* BOD₅ was monitored weekly. The permitted monthly daily average limit for BOD₅ of 24 mg/l and the permitted monthly

maximum daily limit of 64 mg/l for BOD₅ were not exceeded during this reporting period.

- *Carbon Disulfide.* Carbon Disulfide was monitored monthly and no limit is established in the ARARs. The results for the monthly samples collected in the third quarter of 2018 were less than the 0.1 mg/l monthly action level specified in the ARARs.

Rainfall Data

Table 3.1 (Attachment 3) shows that a total of 20 inches of precipitation fell on the Site during the third quarter of 2018 (Jul., Aug., Sept.). The total precipitation for 2018 to-date is 40.6 inches, representing to-date 103% of the average Site total yearly precipitation (39.6 inches).

6.2 *Data Generated in Previous Period*

Discharge monitoring, rainfall data and flow totals for the lift stations, test wells and viscose basin are contained in Attachment 3. DMRs were submitted by the tenth of each month.

6.3 *Actions to be Taken Next Period*

- Continue GLTP operations and maintenance and operate the GLTP biological system in continuous mode.

6.4 *Problems Encountered and Remedies*

None.

6.5 *Schedule Update*

The GLTP will continue to operate in full continuous mode.

7.0 OTHER SITE SUPPORT DOCUMENTS

7.1 *Actions Taken and Reports Prepared in Previous Period*

- Quarterly inspections (e.g. seep areas, river berms, gas vents, etc.) and inspection reports completed.

7.2 *Actions to be Taken Next Period*

- Quarterly inspections (e.g. seep areas, river berms, gas vents, etc.) and inspection reports to be completed.

8.0

COMMUNITY RELATIONS SUPPORT

- No activity during the previous period.

ATTACHMENTS

- 1 Summary of Monthly Correspondence
- 2 OU-7 and Site Perimeter Air Monitoring Results
- 3 GLTP Discharge Monitoring and Information
Discharge Monitoring Reports, 1 July to 30 September 2018
Table 3.1 – Site Rainfall Data
- 4 Preliminary Site-Wide Quarterly Inspection (with repairs photo log)

Attachment 1
Summary of Quarterly
Correspondence

ATTACHMENT 1 – LIST OF CORRESPONDENCE AND DELIVERABLES FOR THE PERIOD JULY 1, 2018 TO SEPTEMBER 30, 2018, AVTEX FIBERS SUPERFUND SITE, FRONT ROYAL, VIRGINIA

FMC to VADEQ

July 9, 2018. Discharge Monitoring Report – June 2018 submitted to VADEQ and EPA

August 9, 2018. Discharge Monitoring Report – July 2018 submitted to VADEQ and EPA

September 9, 2018. Discharge Monitoring Report – August 2018 submitted to VADEQ and EPA

FMC to EPA

August 21, 2018. Notification of change of laboratory for triennial aquatic biota sampling submitted to EPA.

EPA to FMC

August 30, 2018. EPA confirmation of receipt and approval of laboratory change for triennial aquatic biota sampling submitted to FMC.

Attachment 2
OU-7 and Site Perimeter Air
Monitoring Results

Air Monitoring Form
Avtex Superfund Site
Front Royal, Virginia

Date 9/26/2018

Technician M. Robinson & M. Harder

Air Samples Collected?

- Yes
 No

Gas Monitoring Devices	Used (Y/N)	Calibrated (Y/N)	Date Calibrated	Initials
Jerome613X (low-level H ₂ S)	Y	Y	1/22/2018	MGR
MiniRae 3000 (PID)	Y	Y	9/26/2018	MGR
MultiRae (PID, O ₂ , CO, H ₂ S, LEL)				
Landtec GEM 5000				

Weather Conditions:

Precipitation (Current): Rain Snow Sleet Mix Other None
 Light Moderate Heavy

Current Temperature: 83 °F

Wind Direction (blowing from): SW (N, NE, SW, variable, etc.)

Wind Speed: 5 mph

Barometric Pressure: 29.94 inches

Cloud Cover: Clear Partly Cloudy Mostly Cloudy Cloudy/Overcast Foggy

Monitoring Location	Time	H ₂ S (ppm)	Organic / VOC (ppm)	CS ₂ (ppm)	Methane (%LEL)	Comments
OU-7 Perimeter - (H ₂ S Indicator Value = 0.006 ppm)						
N	1330	0.003	0.0	--	--	Slight H ₂ S Odor
NE	1328	0.000	0.0	--	--	
SE	1340	0.000	0.0	--	--	
S	1338	0.000	0.0	--	--	
SW	1336	0.000	0.0	--	--	
NW	1334	0.000	0.0	--	--	
Site Perimeter - (H ₂ S Indicator Value = 0.0014 ppm)						
N	1414	0.000	0.0	--	--	
NE	1350	0.000	0.0	--	--	
E	1347	0.000	0.0	--	--	
SE	1342	0.000	0.0	--	--	
S	1355	0.000	0.0	--	--	
SW	1358	0.000	0.0	--	--	
W	1402	0.000	0.0	--	--	
NW	1406	0.000	0.0	--	--	
Downwind (location: NE)	1411	0.000	0.0	--	--	

Activities Occuring on-site that might relate to air emissions:

Groundwater extraction and treatment

If monitoring results are greater than one or more of above levels & sustained for 1 minute or longer, take following actions:

1. Notify FMC Site Manager, SSO, and EPA/EPA oversight representative;
2. Stop on-site intrusive operations and assess source(s);
3. Step-up work-zone & perimeter monitoring;
4. Perform monitoring the next day to verify levels.

If H₂S > 0.1 ppm sustained for 5 minutes at Site Perimeter - Notify Warren County/Front Royal LEPC and Health Department.

FIGURE 1
AIR MONITORING LOCATIONS
DURING OU-7 WORK
AVTEX FIBERS SUPERFUND SITE
FRONT ROYAL, VIRGINIA



Attachment 3
GLTP Discharge Monitoring and
Information

Table 3.1
Site Rainfall Data Avtex Fibers Superfund Site 1 July - September 30, 2018

Month	Average Rainfall for Winchester, VA (in)*	Average Site Rainfall 1990-2013 (in)	2006 Actual Rainfall (in)	2007 Actual Rainfall (in)	2008 Actual Rainfall (in)	2009 Actual Rainfall (in)	2010 Actual Rainfall (in)	2011 Actual Rainfall (in)	2012 Actual Rainfall (in)	2013 Actual Rainfall (in)	2014 Actual Rainfall (in)	2015 Actual Rainfall (in)	2016 Actual Rainfall (in)	2017 Actual Rainfall (in)	2018 Actual Rainfall (in)	Percent of Average Site Rainfall (%)
January	2.4	2.7	2.0	1.2	1.0	1.4	3.35	0.9	2.0	3.8	1.1	1.4	1.2	2.5	1.8	65%
February	2.5	2.3	1.7	1.9	2.3	0.0	4.35	1.4	2.3	0.9	3.2	0.7	2.2	0.8	2.0	87%
March	3.1	3.6	0.1	3.7	2.9	1.5	5.7	4.6	1.9	3.9	2.3	1.7	1.0	2.4	0.8	23%
April	3.1	3.2	2.8	3.4	6.2	3.2	1.59	6.5	2.5	1.3	1.5	2.9	1.3	1.7	2.4	75%
May	3.7	3.8	1.0	1.9	5.2	5.8	3.25	5.6	3.6	2.4	7.2	1.6	3.9	7.0	7.7	202%
June	3.9	4.4	9.7	3.5	4.3	4.6	0.6	4.0	3.6	5.2	1.5	3.9	3.8	1.3	9.9	225%
July	3.9	3.4	2.2	1.7	3.8	3.0	1.8	3.1	4.3	1.9	4.6	1.8	5.4	6.7	6.1	180%
August	3.5	3.1	1.3	2.8	3.5	2.1	3.3	3.4	5.2	2.6	3.7	1.0	2.3	2.1	4.1	131%
September	3.1	4.7	6.1	2.0	4.3	1.3	5.7	5.5	4.9	2.5	1.6	3.6	6.1	1.3	5.9	126%
October	3.2	3.0	4.3	4.1	1.2	2.7	0.65	3.9	4.3	5.1	5.17	1.65	0.6	3.5	0%	
November	3.1	2.9	5.2	1.6	2.5	3.7	1.8	3.0	1.1	1.6	1.83	1.36	0.8	0.9	0%	
December	2.5	2.6	0.7	2.8	1.4	5.0	2.0	3.6	1.55	1.5	3.02	2.46	1.5	0.4	0%	
Totals to Date	37.9	39.6	36.9	30.4	38.5	34.2	34.1	45.2	37.0	32.8	36.7	24.1	30.0	30.4	40.6	103%

* Source: National Climate Data Center TD 9641 Clim 81

Table 3.2 Monthly Flow Totals
Avtex Site Lift Stations, Test Wells and Viscose Basin

July 2018									
Lift Stations Flow Report		Test Wells Flow Report			Viscose Basin Flow Report				
Date	Total LS Flow (MGD)	Date	TW1 Flow (MGD)	TW2 Flow (MGD)	TW3 Flow (MGD)	Date	VB9 Flow (MGD)	VB10 Flow (MGD)	VB 11 Flow (MGD)
7/1/2018	0.004	7/1/2018	0.012	0.026	0.000	7/1/2018	0.000	0.001	0.006
7/2/2018	0.010	7/2/2018	0.001	0.026	0.020	7/2/2018	0.003	0.003	0.006
7/3/2018	0.010	7/3/2018	0.031	0.026	0.023	7/3/2018	0.003	0.005	0.006
7/4/2018	0.000	7/4/2018	0.060	0.026	0.013	7/4/2018	0.003	0.005	0.006
7/5/2018	0.015	7/5/2018	0.066	0.026	0.000	7/5/2018	0.000	0.005	0.006
7/6/2018	0.015	7/6/2018	0.066	0.026	0.000	7/6/2018	0.003	0.005	0.006
7/7/2018	0.000	7/7/2018	0.066	0.023	0.000	7/7/2018	0.003	0.002	0.006
7/8/2018	0.000	7/8/2018	0.066	0.026	0.000	7/8/2018	0.000	0.002	0.006
7/9/2018	0.008	7/9/2018	0.066	0.025	0.000	7/9/2018	0.002	0.002	0.006
7/10/2018	0.014	7/10/2018	0.066	0.025	0.000	7/10/2018	0.002	0.002	0.006
7/11/2018	0.014	7/11/2018	0.065	0.025	0.000	7/11/2018	0.002	0.002	0.006
7/12/2018	0.011	7/12/2018	0.059	0.017	0.000	7/12/2018	0.002	0.001	0.006
7/13/2018	0.001	7/13/2018	0.066	0.023	0.000	7/13/2018	0.003	0.002	0.006
7/14/2018	0.001	7/14/2018	0.065	0.025	0.000	7/14/2018	0.003	0.002	0.006
7/15/2018	0.001	7/15/2018	0.063	0.025	0.000	7/15/2018	0.003	0.002	0.006
7/16/2018	0.008	7/16/2018	0.065	0.025	0.000	7/16/2018	0.003	0.002	0.006
7/17/2018	0.009	7/17/2018	0.065	0.025	0.000	7/17/2018	0.003	0.002	0.006
7/18/2018	0.007	7/18/2018	0.066	0.010	0.000	7/18/2018	0.003	0.002	0.006
7/19/2018	0.001	7/19/2018	0.066	0.013	0.000	7/19/2018	0.002	0.002	0.006
7/20/2018	0.001	7/20/2018	0.066	0.013	0.000	7/20/2018	0.002	0.002	0.006
7/21/2018	0.001	7/21/2018	0.059	0.023	0.000	7/21/2018	0.002	0.002	0.006
7/22/2018	0.005	7/22/2018	0.066	0.025	0.000	7/22/2018	0.002	0.002	0.006
7/23/2018	0.008	7/23/2018	0.065	0.025	0.000	7/23/2018	0.003	0.002	0.006
7/24/2018	0.008	7/24/2018	0.065	0.022	0.000	7/24/2018	0.003	0.002	0.006
7/25/2018	0.001	7/25/2018	0.059	0.025	0.000	7/25/2018	0.002	0.002	0.006
7/26/2018	0.002	7/26/2018	0.065	0.024	0.000	7/26/2018	0.002	0.002	0.006
7/27/2018	0.005	7/27/2018	0.065	0.024	0.000	7/27/2018	0.002	0.002	0.006
7/28/2018	0.005	7/28/2018	0.065	0.024	0.000	7/28/2018	0.002	0.002	0.006
7/29/2018	0.004	7/29/2018	0.065	0.024	0.000	7/29/2018	0.002	0.002	0.006
7/30/2018	0.002	7/30/2018	0.065	0.024	0.000	7/30/2018	0.002	0.002	0.006
7/31/2018	0.005	7/31/2018	0.065	0.018	0.001	7/31/2018	0.003	0.003	0.006

Table 3.2 Monthly Flow Totals
Avtex Site Lift Stations, Test Wells and Viscose Basin

August 2018									
Lift Stations Flow Report		Test Wells Flow Report			Viscose Basin Flow Report				
Date	Total LS Flow (MGD)	Date	TW1 Flow (MGD)	TW2 Flow (MGD)	TW3 Flow (MGD)	Date	VB9 Flow (MGD)	VB10 Flow (MGD)	VB 11 Flow (MGD)
8/1/2018	0.005	8/1/2018	0.062	0.022	0.001	8/1/2018	0.003	0.003	0.006
8/2/2018	0.026	8/2/2018	0.065	0.024	0.000	8/2/2018	0.002	0.002	0.006
8/3/2018	0.027	8/3/2018	0.065	0.013	0.000	8/3/2018	0.002	0.002	0.006
8/4/2018	0.014	8/4/2018	0.044	0.000	0.000	8/4/2018	0.002	0.001	0.006
8/5/2018	0.000	8/5/2018	0.059	0.023	0.000	8/5/2018	0.002	0.001	0.006
8/6/2018	0.000	8/6/2018	0.066	0.025	0.000	8/6/2018	0.002	0.001	0.006
8/7/2018	0.028	8/7/2018	0.066	0.025	0.000	8/7/2018	0.002	0.001	0.006
8/8/2018	0.029	8/8/2018	0.066	0.014	0.000	8/8/2018	0.003	0.002	0.006
8/9/2018	0.022	8/9/2018	0.053	0.018	0.002	8/9/2018	0.005	0.004	0.006
8/10/2018	0.018	8/10/2018	0.060	0.022	0.002	8/10/2018	0.005	0.004	0.006
8/11/2018	0.008	8/11/2018	0.066	0.025	0.000	8/11/2018	0.005	0.004	0.006
8/12/2018	0.021	8/12/2018	0.065	0.025	0.000	8/12/2018	0.005	0.004	0.006
8/13/2018	0.022	8/13/2018	0.047	0.018	0.000	8/13/2018	0.008	0.006	0.006
8/14/2018	0.014	8/14/2018	0.059	0.022	0.000	8/14/2018	0.008	0.006	0.006
8/15/2018	0.007	8/15/2018	0.066	0.025	0.000	8/15/2018	0.003	0.002	0.006
8/16/2018	0.010	8/16/2018	0.066	0.025	0.000	8/16/2018	0.005	0.004	0.006
8/17/2018	0.010	8/17/2018	0.066	0.019	0.004	8/17/2018	0.005	0.004	0.006
8/18/2018	0.006	8/18/2018	0.065	0.021	0.004	8/18/2018	0.005	0.004	0.006
8/19/2018	-	8/19/2018	-	-	-	8/19/2018	-	-	-
8/20/2018	0.016	8/20/2018	0.059	0.018	0.000	8/20/2018	0.006	0.004	0.006
8/21/2018	0.035	8/21/2018	0.065	0.021	0.000	8/21/2018	0.003	0.001	0.006
8/22/2018	0.035	8/22/2018	0.059	0.010	0.000	8/22/2018	0.003	0.001	0.006
8/23/2018	0.009	8/23/2018	0.066	0.022	0.000	8/23/2018	0.002	0.001	0.006
8/24/2018	0.000	8/24/2018	0.065	0.025	0.000	8/24/2018	0.002	0.002	0.006
8/25/2018	0.000	8/25/2018	0.066	0.022	0.000	8/25/2018	0.002	0.002	0.006
8/26/2018	0.000	8/26/2018	0.065	0.024	0.000	8/26/2018	0.002	0.002	0.006
8/27/2018	0.008	8/27/2018	0.065	0.024	0.000	8/27/2018	0.002	0.002	0.006
8/28/2018	0.008	8/28/2018	0.065	0.018	0.000	8/28/2018	0.003	0.002	0.006
8/29/2018	0.004	8/29/2018	0.065	0.022	0.000	8/29/2018	0.003	0.002	0.006
8/30/2018	0.004	8/30/2018	0.065	0.024	0.000	8/30/2018	0.003	0.002	0.006
8/31/2018	0.006	8/31/2018	0.065	0.024	0.002	8/31/2018	0.002	0.002	0.006

Note: No data was recorded on 8/19/18 due to a loss of power to the data server.

Table 3.2 Monthly Flow Totals
Avtex Site Lift Stations, Test Wells and Viscose Basin

September 2018									
Lift Stations Flow Report		Test Wells Flow Report			Viscose Basin Flow Report				
Date	Total LS Flow (MGD)	Date	TW1 Flow (MGD)	TW2 Flow (MGD)	TW3 Flow (MGD)	Date	VB9 Flow (MGD)	VB10 Flow (MGD)	VB 11 Flow (MGD)
9/1/2018	0.006	9/1/2018	0.065	0.024	0.002	9/1/2018	0.002	0.001	0.006
9/2/2018	0.005	9/2/2018	0.065	0.024	0.000	9/2/2018	0.002	0.001	0.006
9/3/2018	0.005	9/3/2018	0.065	0.024	0.000	9/3/2018	0.002	0.001	0.006
9/4/2018	0.014	9/4/2018	0.065	0.024	0.000	9/4/2018	0.003	0.001	0.006
9/5/2018	0.014	9/5/2018	0.062	0.023	0.000	9/5/2018	0.003	0.002	0.006
9/6/2018	0.014	9/6/2018	0.065	0.024	0.000	9/6/2018	0.003	0.002	0.006
9/7/2018	0.010	9/7/2018	0.065	0.024	0.000	9/7/2018	0.002	0.002	0.006
9/8/2018	0.010	9/8/2018	0.059	0.009	0.000	9/8/2018	0.000	0.000	0.006
9/9/2018	0.006	9/9/2018	0.066	0.012	0.000	9/9/2018	0.000	0.000	0.006
9/10/2018	0.039	9/10/2018	0.066	0.015	0.000	9/10/2018	0.002	0.000	0.006
9/11/2018	0.039	9/11/2018	0.059	0.005	0.000	9/11/2018	0.002	0.000	0.006
9/12/2018	0.033	9/12/2018	0.066	0.000	0.000	9/12/2018	0.002	0.002	0.006
9/13/2018	0.033	9/13/2018	0.066	0.000	0.000	9/13/2018	0.003	0.002	0.006
9/14/2018	0.019	9/14/2018	0.066	0.012	0.000	9/14/2018	0.003	0.002	0.006
9/15/2018	0.019	9/15/2018	0.066	0.022	0.000	9/15/2018	0.000	0.000	0.006
9/16/2018	0.012	9/16/2018	0.066	0.025	0.000	9/16/2018	0.000	0.000	0.006
9/17/2018	0.023	9/17/2018	0.066	0.024	0.000	9/17/2018	0.002	0.002	0.006
9/18/2018	0.023	9/18/2018	0.066	0.006	0.000	9/18/2018	0.002	0.002	0.006
9/19/2018	0.018	9/19/2018	0.066	0.022	0.000	9/19/2018	0.000	0.000	0.006
9/20/2018	0.004	9/20/2018	0.066	0.024	0.000	9/20/2018	0.000	0.000	0.006
9/21/2018	0.006	9/21/2018	0.066	0.024	0.000	9/21/2018	0.003	0.002	0.006
9/22/2018	0.006	9/22/2018	0.066	0.023	0.000	9/22/2018	0.003	0.002	0.006
9/23/2018	0.000	9/23/2018	0.066	0.024	0.000	9/23/2018	0.000	0.000	0.006
9/24/2018	0.038	9/24/2018	0.066	0.024	0.000	9/24/2018	0.002	0.002	0.006
9/25/2018	0.039	9/25/2018	0.066	0.005	0.000	9/25/2018	0.002	0.002	0.006
9/26/2018	0.032	9/26/2018	0.060	0.010	0.000	9/26/2018	0.000	0.002	0.006
9/27/2018	0.016	9/27/2018	0.066	0.022	0.000	9/27/2018	0.002	0.003	0.006
9/28/2018	0.027	9/28/2018	0.066	0.025	0.000	9/28/2018	0.002	0.003	0.006
9/29/2018	0.027	9/29/2018	0.060	0.022	0.000	9/29/2018	0.000	0.000	0.006
9/30/2018	0.032	9/30/2018	0.066	0.025	0.000	9/30/2018	0.000	0.000	0.006

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS: (Include Facility Name/Location if different)											OMB No. 2040-004						
NAME:	Avtex Fibers			NA		004		DMR MAILING ZIP CODE:			23218						
ADDRESS:	404 Kendrick Lane			PERMIT NUMBER		DISCHARGE NUMBER											
	Front Royal, VA 22630										DESCRIPTION:						
FACILITY:	AVTEX FIBERS			MONITORING PERIOD						GLTP EFFLUENT (OUTFALL 004)							
LOCATION:	FRONT ROYAL, VA			FROM	YEAR 18	MO 07	DAY 01	TO	YEAR 18	MO 07	DAY 31	External Outfall					
ATTN:												No Discharge					
PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION					NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE					
		VALUE	VALUE	UNITS	VALUE	VALUE	UNITS										
FLOW		SAMPLE MEASUREMENT	0.084	0.108	MGD	*****	*****	*****		0	CONTINUOUS	TIRE					
00056 1 0 EFFLUENT GROSS		PERMIT REQUIREMENT	REPORT MONTHLY AV	REPORT DAILY MAX		*****	*****	*****				CONTINUOUS	TIRE				
PH		SAMPLE MEASUREMENT	*****	*****		7.9	*****	8.6	SU	0	CONTINUOUS	GRAB					
00400 1 0 EFFLUENT GROSS		PERMIT REQUIREMENT	*****	*****		6.5	MINIMUM	*****		MAXIMUM		CONTINUOUS	GRAB				
BOD, 5-DAY		SAMPLE MEASUREMENT	<QL	<QL	kg/d	*****	<QL	<QL	mg/L	0	1/7	8 HC					
00318 1 0 EFFLUENT GROSS		PERMIT REQUIREMENT	36 MONTHLY AV	96 DAILY MAX		*****	24 MONTHLY AV	64 DAILY MX				1/7	8 HC				
SOLIDS, TOTAL SUSPENDED		SAMPLE MEASUREMENT	<QL	<QL	kg/d	*****	<QL	<QL	mg/L	0	1/7	8 HC					
03603 1 0 EFFLUENT GROSS		PERMIT REQUIREMENT	60 MONTHLY AV	190 DAILY MAX		*****	40 MONTHLY AV	130 DAILY MX				1/7	8 HC				
CARBON DISULFIDE		SAMPLE MEASUREMENT	<QL	<QL	kg/d	*****	<QL	<QL	mg/L	0	1/30	8 HC					
77041 1 0 EFFLUENT GROSS		PERMIT REQUIREMENT	NL MONTHLY AV	NL DAILY MAX		*****	NL MONTHLY AV	NL DAILY MX				1/30	8 HC				
WHOLE EFFLUENT TOXICITY - <i>Ceriodaphnia dubia</i>		SAMPLE MEASUREMENT	*****	*****	TUa	*****	*****	*****	TUa			8 HC					
22414 1 0 EFFLUENT GROSS		PERMIT REQUIREMENT	*****	*****		*****	*****	*****		*****		1/90	8 HC				
WHOLE EFFLUENT TOXICITY - <i>Pimephales promelas</i>		SAMPLE MEASUREMENT	*****	*****	TUa	*****	*****	*****	TUa			8 HC					
22414 1 0 EFFLUENT GROSS		PERMIT REQUIREMENT	*****	*****		*****	*****	*****		*****		1/90	8 HC				
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER				I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED, BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.						TELEPHONE		DATE					
Brian McGinnis																	
Manager, Environmental Remediation																18 08 09	
TYPED OR PRINTED																	
COMMENT AND EXPLANATION OF ANY VIOLATIONS				(Reference all attachments here)													
Attachment: pH compliance monitoring summary (monthly)																	
Carbon disulfide: No limit established; monitored monthly; 0.1 mg/L action level																	
EPA Form 3320-1 (Rev 01/06) Previous editions may be used.																	
											PAGE 1 OF 10						

Avtex Fibers
Front Royal, VA
Outfall 004
July 2018 DMR

pH Calculations:

Date And Time	pH	Date And Time	pH	Date And Time	pH
7/1/2018 12:00 AM	8.22	7/2/2018 12:00 AM	8.20	7/3/2018 12:00 AM	8.26
7/1/2018 12:15 AM	8.22	7/2/2018 12:15 AM	8.20	7/3/2018 12:15 AM	8.26
7/1/2018 12:30 AM	8.23	7/2/2018 12:30 AM	8.20	7/3/2018 12:30 AM	8.22
7/1/2018 12:45 AM	8.23	7/2/2018 12:45 AM	8.20	7/3/2018 12:45 AM	8.21
7/1/2018 1:00 AM	8.23	7/2/2018 1:00 AM	8.20	7/3/2018 1:00 AM	8.22
7/1/2018 1:15 AM	8.23	7/2/2018 1:15 AM	8.20	7/3/2018 1:15 AM	8.22
7/1/2018 1:30 AM	8.23	7/2/2018 1:30 AM	8.20	7/3/2018 1:30 AM	8.23
7/1/2018 1:45 AM	8.23	7/2/2018 1:45 AM	8.20	7/3/2018 1:45 AM	8.25
7/1/2018 2:00 AM	8.23	7/2/2018 2:00 AM	8.20	7/3/2018 2:00 AM	8.26
7/1/2018 2:15 AM	8.23	7/2/2018 2:15 AM	8.20	7/3/2018 2:15 AM	8.26
7/1/2018 2:30 AM	8.23	7/2/2018 2:30 AM	8.20	7/3/2018 2:30 AM	8.26
7/1/2018 2:45 AM	8.23	7/2/2018 2:45 AM	8.21	7/3/2018 2:45 AM	8.27
7/1/2018 3:00 AM	8.23	7/2/2018 3:00 AM	8.21	7/3/2018 3:00 AM	8.26
7/1/2018 3:15 AM	8.23	7/2/2018 3:15 AM	8.21	7/3/2018 3:15 AM	8.26
7/1/2018 3:30 AM	8.23	7/2/2018 3:30 AM	8.21	7/3/2018 3:30 AM	8.26
7/1/2018 3:45 AM	8.23	7/2/2018 3:45 AM	8.21	7/3/2018 3:45 AM	8.26
7/1/2018 4:00 AM	8.23	7/2/2018 4:00 AM	8.21	7/3/2018 4:00 AM	8.26
7/1/2018 4:15 AM	8.23	7/2/2018 4:15 AM	8.21	7/3/2018 4:15 AM	8.26
7/1/2018 4:30 AM	8.23	7/2/2018 4:30 AM	8.21	7/3/2018 4:30 AM	8.26
7/1/2018 4:45 AM	8.23	7/2/2018 4:45 AM	8.21	7/3/2018 4:45 AM	8.26
7/1/2018 5:00 AM	8.24	7/2/2018 5:00 AM	8.21	7/3/2018 5:00 AM	8.26
7/1/2018 5:15 AM	8.24	7/2/2018 5:15 AM	8.21	7/3/2018 5:15 AM	8.25
7/1/2018 5:30 AM	8.24	7/2/2018 5:30 AM	8.21	7/3/2018 5:30 AM	8.25
7/1/2018 5:45 AM	8.24	7/2/2018 5:45 AM	8.21	7/3/2018 5:45 AM	8.25
7/1/2018 6:00 AM	8.24	7/2/2018 6:00 AM	8.21	7/3/2018 6:00 AM	8.25
7/1/2018 6:15 AM	8.24	7/2/2018 6:15 AM	8.21	7/3/2018 6:15 AM	8.25
7/1/2018 6:30 AM	8.24	7/2/2018 6:30 AM	8.21	7/3/2018 6:30 AM	8.24
7/1/2018 6:45 AM	8.24	7/2/2018 6:45 AM	8.21	7/3/2018 6:45 AM	8.24
7/1/2018 7:00 AM	8.24	7/2/2018 7:00 AM	8.21	7/3/2018 7:00 AM	8.24
7/1/2018 7:15 AM	8.23	7/2/2018 7:15 AM	8.21	7/3/2018 7:15 AM	8.23
7/1/2018 7:30 AM	8.23	7/2/2018 7:30 AM	8.21	7/3/2018 7:30 AM	8.25
7/1/2018 7:45 AM	8.22	7/2/2018 7:45 AM	8.20	7/3/2018 7:45 AM	8.23
7/1/2018 8:00 AM	8.20	7/2/2018 8:00 AM	8.27	7/3/2018 8:00 AM	8.22
7/1/2018 8:15 AM	8.20	7/2/2018 8:15 AM	8.23	7/3/2018 8:15 AM	8.22
7/1/2018 8:30 AM	8.19	7/2/2018 8:30 AM	8.24	7/3/2018 8:30 AM	8.21
7/1/2018 8:45 AM	8.18	7/2/2018 8:45 AM	8.21	7/3/2018 8:45 AM	8.20
7/1/2018 9:00 AM	8.17	7/2/2018 9:00 AM	8.18	7/3/2018 9:00 AM	8.19
7/1/2018 9:15 AM	8.16	7/2/2018 9:15 AM	8.15	7/3/2018 9:15 AM	8.12
7/1/2018 9:30 AM	8.16	7/2/2018 9:30 AM	8.12	7/3/2018 9:30 AM	8.10
7/1/2018 9:45 AM	8.16	7/2/2018 9:45 AM	8.10	7/3/2018 9:45 AM	8.10
7/1/2018 10:00 AM	8.16	7/2/2018 10:00 AM	8.08	7/3/2018 10:00 AM	8.09
7/1/2018 10:15 AM	8.16	7/2/2018 10:15 AM	8.04	7/3/2018 10:15 AM	8.11
7/1/2018 10:30 AM	8.16	7/2/2018 10:30 AM	8.03	7/3/2018 10:30 AM	8.13
7/1/2018 10:45 AM	8.15	7/2/2018 10:45 AM	8.03	7/3/2018 10:45 AM	8.14
7/1/2018 11:00 AM	8.13	7/2/2018 11:00 AM	8.03	7/3/2018 11:00 AM	8.14
7/1/2018 11:15 AM	8.13	7/2/2018 11:15 AM	8.02	7/3/2018 11:15 AM	8.15
7/1/2018 11:30 AM	8.13	7/2/2018 11:30 AM	8.01	7/3/2018 11:30 AM	8.16
7/1/2018 11:45 AM	8.13	7/2/2018 11:45 AM	7.99	7/3/2018 11:45 AM	8.16
7/1/2018 12:00 PM	8.13	7/2/2018 12:00 PM	7.99	7/3/2018 12:00 PM	8.17
7/1/2018 12:15 PM	8.13	7/2/2018 12:15 PM	7.99	7/3/2018 12:15 PM	8.18
7/1/2018 12:30 PM	8.14	7/2/2018 12:30 PM	8.03	7/3/2018 12:30 PM	8.18
7/1/2018 12:45 PM	8.14	7/2/2018 12:45 PM	8.05	7/3/2018 12:45 PM	8.18
7/1/2018 1:00 PM	8.15	7/2/2018 1:00 PM	8.04	7/3/2018 1:00 PM	8.18
7/1/2018 1:15 PM	8.16	7/2/2018 1:15 PM	8.00	7/3/2018 1:15 PM	8.18
7/1/2018 1:30 PM	8.16	7/2/2018 1:30 PM	7.97	7/3/2018 1:30 PM	8.17
7/1/2018 1:45 PM	8.16	7/2/2018 1:45 PM	7.96	7/3/2018 1:45 PM	8.17
7/1/2018 2:00 PM	8.16	7/2/2018 2:00 PM	8.01	7/3/2018 2:00 PM	8.16
7/1/2018 2:15 PM	8.15	7/2/2018 2:15 PM	8.02	7/3/2018 2:15 PM	8.17
7/1/2018 2:30 PM	8.15	7/2/2018 2:30 PM	8.04	7/3/2018 2:30 PM	8.17
7/1/2018 2:45 PM	8.16	7/2/2018 2:45 PM	8.06	7/3/2018 2:45 PM	8.16
7/1/2018 3:00 PM	8.17	7/2/2018 3:00 PM	8.06	7/3/2018 3:00 PM	8.23
7/1/2018 3:15 PM	8.18	7/2/2018 3:15 PM	8.11	7/3/2018 3:15 PM	8.22
7/1/2018 3:30 PM	8.19	7/2/2018 3:30 PM	8.13	7/3/2018 3:30 PM	8.21
7/1/2018 3:45 PM	8.19	7/2/2018 3:45 PM	8.14	7/3/2018 3:45 PM	8.23
7/1/2018 4:00 PM	8.19	7/2/2018 4:00 PM	8.15	7/3/2018 4:00 PM	8.23
7/1/2018 4:15 PM	8.19	7/2/2018 4:15 PM	8.16	7/3/2018 4:15 PM	8.23
7/1/2018 4:30 PM	8.19	7/2/2018 4:30 PM	8.16	7/3/2018 4:30 PM	8.24
7/1/2018 4:45 PM	8.19	7/2/2018 4:45 PM	8.16	7/3/2018 4:45 PM	8.24
7/1/2018 5:00 PM	8.18	7/2/2018 5:00 PM	8.17	7/3/2018 5:00 PM	8.25
7/1/2018 5:15 PM	8.18	7/2/2018 5:15 PM	8.17	7/3/2018 5:15 PM	8.22
7/1/2018 5:30 PM	8.18	7/2/2018 5:30 PM	8.17	7/3/2018 5:30 PM	8.18
7/1/2018 5:45 PM	8.18	7/2/2018 5:45 PM	8.12	7/3/2018 5:45 PM	8.18
7/1/2018 6:00 PM	8.18	7/2/2018 6:00 PM	8.12	7/3/2018 6:00 PM	8.19
7/1/2018 6:15 PM	8.18	7/2/2018 6:15 PM	8.11	7/3/2018 6:15 PM	8.18
7/1/2018 6:30 PM	8.18	7/2/2018 6:30 PM	8.13	7/3/2018 6:30 PM	8.19
7/1/2018 6:45 PM	8.18	7/2/2018 6:45 PM	8.16	7/3/2018 6:45 PM	8.21
7/1/2018 7:00 PM	8.18	7/2/2018 7:00 PM	8.17	7/3/2018 7:00 PM	8.22
7/1/2018 7:15 PM	8.18	7/2/2018 7:15 PM	8.18	7/3/2018 7:15 PM	8.22
7/1/2018 7:30 PM	8.18	7/2/2018 7:30 PM	8.20	7/3/2018 7:30 PM	8.22
7/1/2018 7:45 PM	8.18	7/2/2018 7:45 PM	8.21	7/3/2018 7:45 PM	8.22
7/1/2018 8:00 PM	8.18	7/2/2018 8:00 PM	8.20	7/3/2018 8:00 PM	8.23
7/1/2018 8:15 PM	8.18	7/2/2018 8:15 PM	8.21	7/3/2018 8:15 PM	8.26
7/1/2018 8:30 PM	8.18	7/2/2018 8:30 PM	8.21	7/3/2018 8:30 PM	8.27
7/1/2018 8:45 PM	8.18	7/2/2018 8:45 PM	8.21	7/3/2018 8:45 PM	8.28
7/1/2018 9:00 PM	8.19	7/2/2018 9:00 PM	8.23	7/3/2018 9:00 PM	8.29
7/1/2018 9:15 PM	8.19	7/2/2018 9:15 PM	8.23	7/3/2018 9:15 PM	8.29
7/1/2018 9:30 PM	8.19	7/2/2018 9:30 PM	8.22	7/3/2018 9:30 PM	8.29
7/1/2018 9:45 PM	8.19	7/2/2018 9:45 PM	8.23	7/3/2018 9:45 PM	8.24
7/1/2018 10:00 PM	8.19	7/2/2018 10:00 PM	8.24	7/3/2018 10:00 PM	8.24
7/1/2018 10:15 PM	8.19	7/2/2018 10:15 PM	8.24	7/3/2018 10:15 PM	8.28
7/1/2018 10:30 PM	8.19	7/2/2018 10:30 PM	8.25	7/3/2018 10:30 PM	8.29
7/1/2018 10:45 PM	8.19	7/2/2018 10:45 PM	8.25	7/3/2018 10:45 PM	8.30
7/1/2018 11:00 PM	8.20	7/2/2018 11:00 PM	8.25	7/3/2018 11:00 PM	8.30
7/1/2018 11:15 PM	8.20	7/2/2018 11:15 PM	8.21	7/3/2018 11:15 PM	8.25
7/1/2018 11:30 PM	8.20	7/2/2018 11:30 PM	8.20	7/3/2018 11:30 PM	8.24
7/1/2018 11:45 PM	8.20	7/2/2018 11:45 PM	8.24	7/3/2018 11:45 PM	8.24

AVG 8.19 AVG 8.16 AVG 8.22

Date And Time	pH	Date And Time	pH	Date And Time	pH
7/4/2018 12:00 AM	8.27	7/5/2018 12:00 AM	8.30	7/6/2018 12:00 AM	8.22
7/4/2018 12:15 AM	8.28	7/5/2018 12:15 AM	8.30	7/6/2018 12:15 AM	8.23
7/4/2018 12:30 AM	8.29	7/5/2018 12:30 AM	8.26	7/6/2018 12:30 AM	8.24
7/4/2018 12:45 AM	8.30	7/5/2018 12:45 AM	8.26	7/6/2018 12:45 AM	8.26
7/4/2018 1:00 AM	8.31	7/5/2018 1:00 AM	8.26	7/6/2018 1:00 AM	8.26
7/4/2018 1:15 AM	8.26	7/5/2018 1:15 AM	8.28	7/6/2018 1:15 AM	8.26
7/4/2018 1:30 AM	8.26	7/5/2018 1:30 AM	8.29	7/6/2018 1:30 AM	8.25
7/4/2018 1:45 AM	8.25	7/5/2018 1:45 AM	8.31	7/6/2018 1:45 AM	8.24
7/4/2018 2:00 AM	8.27	7/5/2018 2:00 AM	8.32	7/6/2018 2:00 AM	8.24
7/4/2018 2:15 AM	8.29	7/5/2018 2:15 AM	8.32	7/6/2018 2:15 AM	8.26
7/4/2018 2:30 AM	8.30	7/5/2018 2:30 AM	8.32	7/6/2018 2:30 AM	8.27
7/4/2018 2:45 AM	8.31	7/5/2018 2:45 AM	8.32	7/6/2018 2:45 AM	8.27
7/4/2018 3:00 AM	8.31	7/5/2018 3:00 AM	8.29	7/6/2018 3:00 AM	8.27
7/4/2018 3:15 AM	8.31	7/5/2018 3:15 AM	8.29	7/6/2018 3:15 AM	8.27
7/4/2018 3:30 AM	8.32	7/5/2018 3:30 AM	8.28	7/6/2018 3:30 AM	8.23
7/4/2018 3:45 AM	8.31	7/5/2018 3:45 AM	8.29	7/6/2018 3:45 AM	8.23
7/4/2018 4:00 AM	8.31	7/5/2018 4:00 AM	8.29	7/6/2018 4:00 AM	8.22
7/4/2018 4:15 AM	8.31	7/5/2018 4:15 AM	8.29	7/6/2018 4:15 AM	8.23
7/4/2018 4:30 AM	8.31	7/5/2018 4:30 AM	8.30	7/6/2018 4:30 AM	8.24
7/4/2018 4:45 AM	8.30	7/5/2018 4:45 AM	8.30	7/6/2018 4:45 AM	8.26
7/4/2018 5:00 AM	8.30	7/5/2018 5:00 AM	8.26	7/6/2018 5:00 AM	8.27
7/4/2018 5:15 AM	8.31	7/5/2018 5:15 AM	8.26	7/6/2018 5:15 AM	8.27
7/4/2018 5:30 AM	8.31	7/5/2018 5:30 AM	8.27	7/6/2018 5:30 AM	8.28
7/4/2018 5:45 AM	8.32	7/5/2018 5:45 AM	8.29	7/6/2018 5:45 AM	8.27
7/4/2018 6:00 AM	8.32	7/5/2018 6:00 AM	8.30	7/6/2018 6:00 AM	8.26
7/4/2018 6:15 AM	8.32	7/5/2018 6:15 AM	8.31	7/6/2018 6:15 AM	8.25
7/4/2018 6:30 AM	8.27	7/5/2018 6:30 AM	8.32	7/6/2018 6:30 AM	8.25
7/4/2018 6:45 AM	8.27	7/5/2018 6:45 AM	8.31	7/6/2018 6:45 AM	8.25
7/4/2018 7:00 AM	8.26	7/5/2018 7:00 AM	8.31	7/6/2018 7:00 AM	8.26
7/4/2018 7:15 AM	8.27	7/5/2018 7:15 AM	8.31	7/6/2018 7:15 AM	8.27
7/4/2018 7:30 AM	8.28	7/5/2018 7:30 AM	8.29	7/6/2018 7:30 AM	8.27
7/4/2018 7:45 AM	8.29	7/5/2018 7:45 AM	8.28	7/6/2018 7:45 AM	8.27
7/4/2018 8:00 AM	8.29	7/5/2018 8:00 AM	8.27	7/6/2018 8:00 AM	8.22
7/4/2018 8:15 AM	8.28	7/5/2018 8:15 AM	8.28	7/6/2018 8:15 AM	8.22
7/4/2018 8:30 AM	8.26	7/5/2018 8:30 AM	8.28	7/6/2018 8:30 AM	8.22
7/4/2018 8:45 AM	8.25	7/5/2018 8:45 AM	8.29	7/6/2018 8:45 AM	8.23
7/4/2018 9:00 AM	8.24	7/5/2018 9:00 AM	8.28	7/6/2018 9:00 AM	8.25
7/4/2018 9:15 AM	8.23	7/5/2018 9:15 AM	8.24	7/6/2018 9:15 AM	8.26
7/4/2018 9:30 AM	8.21	7/5/2018 9:30 AM	8.23	7/6/2018 9:30 AM	8.27
7/4/2018 9:45 AM	8.21	7/5/2018 9:45 AM	8.22	7/6/2018 9:45 AM	8.27
7/4/2018 10:00 AM	8.21	7/5/2018 10:00 AM	8.21	7/6/2018 10:00 AM	8.27
7/4/2018 10:15 AM	8.22	7/5/2018 10:15 AM	8.23	7/6/2018 10:15 AM	8.26
7/4/2018 10:30 AM	8.21	7/5/2018 10:30 AM	8.24	7/6/2018 10:30 AM	8.26
7/4/2018 10:45 AM	8.17	7/5/2018 10:45 AM	8.24	7/6/2018 10:45 AM	8.24
7/4/2018 11:00 AM	8.14	7/5/2018 11:00 AM	8.23	7/6/2018 11:00 AM	8.23
7/4/2018 11:15 AM	8.13	7/5/2018 11:15 AM	8.21	7/6/2018 11:15 AM	8.23
7/4/2018 11:30 AM	8.14	7/5/2018 11:30 AM	8.21	7/6/2018 11:30 AM	8.24
7/4/2018 11:45 AM	8.16	7/5/2018 11:45 AM	8.20	7/6/2018 11:45 AM	8.25
7/4/2018 12:00 PM	8.18	7/5/2018 12:00 PM	8.20	7/6/2018 12:00 PM	8.20
7/4/2018 12:15 PM	8.20	7/5/2018 12:15 PM	8.12	7/6/2018 12:15 PM	8.19
7/4/2018 12:30 PM	8.24	7/5/2018 12:30 PM	8.13	7/6/2018 12:30 PM	8.18
7/4/2018 12:45 PM	8.27	7/5/2018 12:45 PM	8.15	7/6/2018 12:45 PM	8.19
7/4/2018 1:00 PM	8.26	7/5/2018 1:00 PM	8.14	7/6/2018 1:00 PM	8.22
7/4/2018 1:15 PM	8.27	7/5/2018 1:15 PM	8.11	7/6/2018 1:15 PM	8.24
7/4/2018 1:30 PM	8.23	7/5/2018 1:30 PM	8.12	7/6/2018 1:30 PM	8.25
7/4/2018 1:45 PM	8.19	7/5/2018 1:45 PM	8.09	7/6/2018 1:45 PM	8.26
7/4/2018 2:00 PM	8.19	7/5/2018 2:00 PM	8.08	7/6/2018 2:00 PM	8.24
7/4/2018 2:15 PM	8.20	7/5/2018 2:15 PM	8.10	7/6/2018 2:15 PM	8.24
7/4/2018 2:30 PM	8.21	7/5/2018 2:30 PM	8.13	7/6/2018 2:30 PM	8.24
7/4/2018 2:45 PM	8.22	7/5/2018 2:45 PM	8.16	7/6/2018 2:45 PM	8.25
7/4/2018 3:00 PM	8.23	7/5/2018 3:00 PM	8.18	7/6/2018 3:00 PM	8.25
7/4/2018 3:15 PM	8.25	7/5/2018 3:15 PM	8.21	7/6/2018 3:15 PM	8.23
7/4/2018 3:30 PM	8.21	7/5/2018 3:30 PM	8.23	7/6/2018 3:30 PM	8.22
7/4/2018 3:45 PM	8.21	7/5/2018 3:45 PM	8.24	7/6/2018 3:45 PM	8.23
7/4/2018 4:00 PM	8.22	7/5/2018 4:00 PM	8.24	7/6/2018 4:00 PM	8.23
7/4/2018 4:15 PM	8.24	7/5/2018 4:15 PM	8.24	7/6/2018 4:15 PM	8.23
7/4/2018 4:30 PM	8.26	7/5/2018 4:30 PM	8.23	7/6/2018 4:30 PM	8.23
7/4/2018 4:45 PM	8.28	7/5/2018 4:45 PM	8.22	7/6/2018 4:45 PM	8.24
7/4/2018 5:00 PM	8.30	7/5/2018 5:00 PM	8.21	7/6/2018 5:00 PM	8.19
7/4/2018 5:15 PM	8.31	7/5/2018 5:15 PM	8.22	7/6/2018 5:15 PM	8.19
7/4/2018 5:30 PM	8.30	7/5/2018 5:30 PM	8.22	7/6/2018 5:30 PM	8.19
7/4/2018 5:45 PM	8.30	7/5/2018 5:45 PM	8.23	7/6/2018 5:45 PM	8.21
7/4/2018 6:00 PM	8.30	7/5/2018 6:00 PM	8.23	7/6/2018 6:00 PM	8.23
7/4/2018 6:15 PM	8.30	7/5/2018 6:15 PM	8.24	7/6/2018 6:15 PM	8.23
7/4/2018 6:30 PM	8.30	7/5/2018 6:30 PM	8.20	7/6/2018 6:30 PM	8.24
7/4/2018 6:45 PM	8.30	7/5/2018 6:45 PM	8.20	7/6/2018 6:45 PM	8.25
7/4/2018 7:00 PM	8.31	7/5/2018 7:00 PM	8.20	7/6/2018 7:00 PM	8.26
7/4/2018 7:15 PM	8.31	7/5/2018 7:15 PM	8.22	7/6/2018 7:15 PM	8.26
7/4/2018 7:30 PM	8.31	7/5/2018 7:30 PM	8.24	7/6/2018 7:30 PM	8.27
7/4/2018 7:45 PM	8.31	7/5/2018 7:45 PM	8.25	7/6/2018 7:45 PM	8.25
7/4/2018 8:00 PM	8.31	7/5/2018 8:00 PM	8.26	7/6/2018 8:00 PM	8.25
7/4/2018 8:15 PM	8.27	7/5/2018 8:15 PM	8.27	7/6/2018 8:15 PM	8.25
7/4/2018 8:30 PM	8.27	7/5/2018 8:30 PM	8.27	7/6/2018 8:30 PM	8.26
7/4/2018 8:45 PM	8.26	7/5/2018 8:45 PM	8.27	7/6/2018 8:45 PM	8.27
7/4/2018 9:00 PM	8.28	7/5/2018 9:00 PM	8.28	7/6/2018 9:00 PM	8.27
7/4/2018 9:15 PM	8.29	7/5/2018 9:15 PM	8.27	7/6/2018 9:15 PM	8.27
7/4/2018 9:30 PM	8.31	7/5/2018 9:30 PM	8.27	7/6/2018 9:30 PM	8.23
7/4/2018 9:45 PM	8.32	7/5/2018 9:45 PM	8.27	7/6/2018 9:45 PM	8.23
7/4/2018 10:00 PM	8.32	7/5/2018 10:00 PM	8.26	7/6/2018 10:00 PM	8.23
7/4/2018 10:15 PM	8.33	7/5/2018 10:15 PM	8.28	7/6/2018 10:15 PM	8.24
7/4/2018 10:30 PM	8.30	7/5/2018 10:30 PM	8.26	7/6/2018 10:30 PM	8.26
7/4/2018 10:45 PM	8.29	7/5/2018 10:45 PM	8.25	7/6/2018 10:45 PM	8.27
7/4/2018 11:00 PM	8.29	7/5/2018 11:00 PM	8.26	7/6/2018 11:00 PM	8.29
7/4/2018 11:15 PM	8.29	7/5/2018 11:15 PM	8.24	7/6/2018 11:15 PM	8.29
7/4/2018 11:30 PM	8.30	7/5/2018 11:30 PM	8.23	7/6/2018 11:30 PM	8.29
7/4/2018 11:45 PM	8.30	7/5/2018 11:46 PM	8.22	7/6/2018 11:45 PM	8.29

AVG 8.27 AVG 8.24 AVG 8.25

Date And Time	pH	Date And Time	pH	Date And Time	pH
7/7/2018 12:00 AM	8.26	7/8/2018 12:00 AM	8.31	7/9/2018 12:00 AM	8.37
7/7/2018 12:15 AM	8.26	7/8/2018 12:15 AM	8.31	7/9/2018 12:15 AM	8.38
7/7/2018 12:30 AM	8.26	7/8/2018 12:30 AM	8.31	7/9/2018 12:30 AM	8.39
7/7/2018 12:45 AM	8.26	7/8/2018 12:45 AM	8.28	7/9/2018 12:45 AM	8.39
7/7/2018 1:00 AM	8.27	7/8/2018 1:00 AM	8.28	7/9/2018 1:00 AM	8.39
7/7/2018 1:15 AM	8.28	7/8/2018 1:15 AM	8.29	7/9/2018 1:15 AM	8.39
7/7/2018 1:30 AM	8.28	7/8/2018 1:30 AM	8.30	7/9/2018 1:30 AM	8.36
7/7/2018 1:45 AM	8.28	7/8/2018 1:45 AM	8.33	7/9/2018 1:45 AM	8.35
7/7/2018 2:00 AM	8.24	7/8/2018 2:00 AM	8.34	7/9/2018 2:00 AM	8.35
7/7/2018 2:15 AM	8.24	7/8/2018 2:15 AM	8.35	7/9/2018 2:15 AM	8.35
7/7/2018 2:30 AM	8.25	7/8/2018 2:30 AM	8.35	7/9/2018 2:30 AM	8.36
7/7/2018 2:45 AM	8.26	7/8/2018 2:45 AM	8.35	7/9/2018 2:45 AM	8.37
7/7/2018 3:00 AM	8.28	7/8/2018 3:00 AM	8.31	7/9/2018 3:00 AM	8.37
7/7/2018 3:15 AM	8.30	7/8/2018 3:15 AM	8.30	7/9/2018 3:15 AM	8.37
7/7/2018 3:30 AM	8.30	7/8/2018 3:30 AM	8.30	7/9/2018 3:30 AM	8.32
7/7/2018 3:45 AM	8.31	7/8/2018 3:45 AM	8.31	7/9/2018 3:45 AM	8.33
7/7/2018 4:00 AM	8.31	7/8/2018 4:00 AM	8.32	7/9/2018 4:00 AM	8.34
7/7/2018 4:15 AM	8.31	7/8/2018 4:15 AM	8.32	7/9/2018 4:15 AM	8.35
7/7/2018 4:30 AM	8.27	7/8/2018 4:30 AM	8.32	7/9/2018 4:30 AM	8.37
7/7/2018 4:45 AM	8.26	7/8/2018 4:45 AM	8.29	7/9/2018 4:45 AM	8.39
7/7/2018 5:00 AM	8.26	7/8/2018 5:00 AM	8.29	7/9/2018 5:00 AM	8.40
7/7/2018 5:15 AM	8.26	7/8/2018 5:15 AM	8.30	7/9/2018 5:15 AM	8.41
7/7/2018 5:30 AM	8.27	7/8/2018 5:30 AM	8.32	7/9/2018 5:30 AM	8.41
7/7/2018 5:45 AM	8.28	7/8/2018 5:45 AM	8.34	7/9/2018 5:45 AM	8.41
7/7/2018 6:00 AM	8.28	7/8/2018 6:00 AM	8.36	7/9/2018 6:00 AM	8.41
7/7/2018 6:15 AM	8.24	7/8/2018 6:15 AM	8.36	7/9/2018 6:15 AM	8.41
7/7/2018 6:30 AM	8.25	7/8/2018 6:30 AM	8.37	7/9/2018 6:30 AM	8.41
7/7/2018 6:45 AM	8.26	7/8/2018 6:45 AM	8.37	7/9/2018 6:45 AM	8.41
7/7/2018 7:00 AM	8.27	7/8/2018 7:00 AM	8.37	7/9/2018 7:00 AM	8.41
7/7/2018 7:15 AM	8.29	7/8/2018 7:15 AM	8.37	7/9/2018 7:15 AM	8.41
7/7/2018 7:30 AM	8.30	7/8/2018 7:30 AM	8.32	7/9/2018 7:30 AM	8.37
7/7/2018 7:45 AM	8.30	7/8/2018 7:45 AM	8.31	7/9/2018 7:45 AM	8.36
7/7/2018 8:00 AM	8.30	7/8/2018 8:00 AM	8.30	7/9/2018 8:00 AM	8.35
7/7/2018 8:15 AM	8.29	7/8/2018 8:15 AM	8.30	7/9/2018 8:15 AM	8.33
7/7/2018 8:30 AM	8.29	7/8/2018 8:30 AM	8.30	7/9/2018 8:30 AM	8.32
7/7/2018 8:45 AM	8.30	7/8/2018 8:45 AM	8.31	7/9/2018 8:45 AM	8.32
7/7/2018 9:00 AM	8.27	7/8/2018 9:00 AM	8.30	7/9/2018 9:00 AM	8.33
7/7/2018 9:15 AM	8.26	7/8/2018 9:15 AM	8.26	7/9/2018 9:15 AM	8.33
7/7/2018 9:30 AM	8.25	7/8/2018 9:30 AM	8.26	7/9/2018 9:30 AM	8.34
7/7/2018 9:45 AM	8.25	7/8/2018 9:45 AM	8.25	7/9/2018 9:45 AM	8.35
7/7/2018 10:00 AM	8.26	7/8/2018 10:00 AM	8.26	7/9/2018 10:00 AM	8.36
7/7/2018 10:15 AM	8.26	7/8/2018 10:15 AM	8.27	7/9/2018 10:15 AM	8.36
7/7/2018 10:30 AM	8.26	7/8/2018 10:30 AM	8.28	7/9/2018 10:30 AM	8.35
7/7/2018 10:45 AM	8.21	7/8/2018 10:45 AM	8.28	7/9/2018 10:45 AM	8.33
7/7/2018 11:00 AM	8.22	7/8/2018 11:00 AM	8.28	7/9/2018 11:00 AM	8.31
7/7/2018 11:15 AM	8.22	7/8/2018 11:15 AM	8.28	7/9/2018 11:15 AM	8.31
7/7/2018 11:30 AM	8.23	7/8/2018 11:30 AM	8.30	7/9/2018 11:30 AM	8.31
7/7/2018 11:45 AM	8.24	7/8/2018 11:45 AM	8.29	7/9/2018 11:45 AM	8.31
7/7/2018 12:00 PM	8.25	7/8/2018 12:00 PM	8.32	7/9/2018 12:00 PM	8.31
7/7/2018 12:15 PM	8.26	7/8/2018 12:15 PM	8.29	7/9/2018 12:15 PM	8.26
7/7/2018 12:30 PM	8.26	7/8/2018 12:30 PM	8.29	7/9/2018 12:30 PM	8.26
7/7/2018 12:45 PM	8.26	7/8/2018 12:45 PM	8.28	7/9/2018 12:45 PM	8.27
7/7/2018 1:00 PM	8.26	7/8/2018 1:00 PM	8.30	7/9/2018 1:00 PM	8.29
7/7/2018 1:15 PM	8.26	7/8/2018 1:15 PM	8.30	7/9/2018 1:15 PM	8.32
7/7/2018 1:30 PM	8.26	7/8/2018 1:30 PM	8.30	7/9/2018 1:30 PM	8.34
7/7/2018 1:45 PM	8.26	7/8/2018 1:45 PM	8.25	7/9/2018 1:45 PM	8.34
7/7/2018 2:00 PM	8.26	7/8/2018 2:00 PM	8.24	7/9/2018 2:00 PM	8.36
7/7/2018 2:15 PM	8.26	7/8/2018 2:15 PM	8.25	7/9/2018 2:15 PM	8.37
7/7/2018 2:30 PM	8.26	7/8/2018 2:30 PM	8.27	7/9/2018 2:30 PM	8.37
7/7/2018 2:45 PM	8.26	7/8/2018 2:45 PM	8.30	7/9/2018 2:45 PM	8.37
7/7/2018 3:00 PM	8.26	7/8/2018 3:00 PM	8.31	7/9/2018 3:00 PM	8.35
7/7/2018 3:15 PM	8.26	7/8/2018 3:15 PM	8.33	7/9/2018 3:15 PM	8.36
7/7/2018 3:30 PM	8.27	7/8/2018 3:30 PM	8.35	7/9/2018 3:30 PM	8.37
7/7/2018 3:45 PM	8.25	7/8/2018 3:45 PM	8.35	7/9/2018 3:45 PM	8.39
7/7/2018 4:00 PM	8.24	7/8/2018 4:00 PM	8.35	7/9/2018 4:00 PM	8.40
7/7/2018 4:15 PM	8.24	7/8/2018 4:15 PM	8.34	7/9/2018 4:15 PM	8.40
7/7/2018 4:30 PM	8.25	7/8/2018 4:30 PM	8.34	7/9/2018 4:30 PM	8.40
7/7/2018 4:45 PM	8.27	7/8/2018 4:45 PM	8.33	7/9/2018 4:45 PM	8.35
7/7/2018 5:00 PM	8.28	7/8/2018 5:00 PM	8.32	7/9/2018 5:00 PM	8.34
7/7/2018 5:15 PM	8.28	7/8/2018 5:15 PM	8.33	7/9/2018 5:15 PM	8.35
7/7/2018 5:30 PM	8.29	7/8/2018 5:30 PM	8.34	7/9/2018 5:30 PM	8.36
7/7/2018 5:45 PM	8.28	7/8/2018 5:45 PM	8.34	7/9/2018 5:45 PM	8.37
7/7/2018 6:00 PM	8.27	7/8/2018 6:00 PM	8.34	7/9/2018 6:00 PM	8.39
7/7/2018 6:15 PM	8.26	7/8/2018 6:15 PM	8.34	7/9/2018 6:15 PM	8.39
7/7/2018 6:30 PM	8.26	7/8/2018 6:30 PM	8.29	7/9/2018 6:30 PM	8.39
7/7/2018 6:45 PM	8.28	7/8/2018 6:45 PM	8.28	7/9/2018 6:45 PM	8.39
7/7/2018 7:00 PM	8.29	7/8/2018 7:00 PM	8.29	7/9/2018 7:00 PM	8.38
7/7/2018 7:15 PM	8.29	7/8/2018 7:15 PM	8.30	7/9/2018 7:15 PM	8.38
7/7/2018 7:30 PM	8.30	7/8/2018 7:30 PM	8.33	7/9/2018 7:30 PM	8.40
7/7/2018 7:45 PM	8.30	7/8/2018 7:45 PM	8.34	7/9/2018 7:45 PM	8.39
7/7/2018 8:00 PM	8.25	7/8/2018 8:00 PM	8.35	7/9/2018 8:00 PM	8.40
7/7/2018 8:15 PM	8.25	7/8/2018 8:15 PM	8.35	7/9/2018 8:15 PM	8.42
7/7/2018 8:30 PM	8.25	7/8/2018 8:30 PM	8.36	7/9/2018 8:30 PM	8.43
7/7/2018 8:45 PM	8.26	7/8/2018 8:45 PM	8.36	7/9/2018 8:45 PM	8.43
7/7/2018 9:00 PM	8.28	7/8/2018 9:00 PM	8.35	7/9/2018 9:00 PM	8.44
7/7/2018 9:15 PM	8.29	7/8/2018 9:15 PM	8.35	7/9/2018 9:15 PM	8.44
7/7/2018 9:30 PM	8.31	7/8/2018 9:30 PM	8.34	7/9/2018 9:30 PM	8.39
7/7/2018 9:45 PM	8.31	7/8/2018 9:45 PM	8.35	7/9/2018 9:45 PM	8.39
7/7/2018 10:00 PM	8.22	7/8/2018 10:00 PM	8.36	7/9/2018 10:00 PM	8.39
7/7/2018 10:15 PM	8.32	7/8/2018 10:15 PM	8.36	7/9/2018 10:15 PM	8.40
7/7/2018 10:30 PM	8.29	7/8/2018 10:30 PM	8.36	7/9/2018 10:30 PM	8.41
7/7/2018 10:45 PM	8.28	7/8/2018 10:45 PM	8.32	7/9/2018 10:45 PM	8.42
7/7/2018 11:00 PM	8.28	7/8/2018 11:00 PM	8.32	7/9/2018 11:00 PM	8.44
7/7/2018 11:15 PM	8.30	7/8/2018 11:15 PM	8.32	7/9/2018 11:15 PM	8.45
7/7/2018 11:30 PM	8.31	7/8/2018 11:30 PM	8.34	7/9/2018 11:30 PM	8.45
7/7/2018 11:45 PM	8.31	7/8/2018 11:46 PM	8.36	7/9/2018 11:45 PM	8.46

AVG 8.27 AVG 8.32 AVG 8.37

Date And Time	pH	Date And Time	pH	Date And Time	pH
7/10/2018 12:00 AM	8.43	7/11/2018 12:00 AM	8.48	7/12/2018 12:00 AM	8.48
7/10/2018 12:15 AM	8.42	7/11/2018 12:15 AM	8.47	7/12/2018 12:15 AM	8.50
7/10/2018 12:30 AM	8.42	7/11/2018 12:30 AM	8.45	7/12/2018 12:30 AM	8.52
7/10/2018 12:45 AM	8.43	7/11/2018 12:45 AM	8.45	7/12/2018 12:45 AM	8.53
7/10/2018 1:00 AM	8.44	7/11/2018 1:00 AM	8.45	7/12/2018 1:00 AM	8.53
7/10/2018 1:15 AM	8.45	7/11/2018 1:15 AM	8.46	7/12/2018 1:15 AM	8.53
7/10/2018 1:30 AM	8.45	7/11/2018 1:30 AM	8.47	7/12/2018 1:30 AM	8.49
7/10/2018 1:45 AM	8.45	7/11/2018 1:45 AM	8.48	7/12/2018 1:45 AM	8.49
7/10/2018 2:00 AM	8.43	7/11/2018 2:00 AM	8.49	7/12/2018 2:00 AM	8.49
7/10/2018 2:15 AM	8.40	7/11/2018 2:15 AM	8.49	7/12/2018 2:15 AM	8.49
7/10/2018 2:30 AM	8.41	7/11/2018 2:30 AM	8.50	7/12/2018 2:30 AM	8.50
7/10/2018 2:45 AM	8.43	7/11/2018 2:45 AM	8.50	7/12/2018 2:45 AM	8.51
7/10/2018 3:00 AM	8.44	7/11/2018 3:00 AM	8.47	7/12/2018 3:00 AM	8.51
7/10/2018 3:15 AM	8.46	7/11/2018 3:15 AM	8.47	7/12/2018 3:15 AM	8.51
7/10/2018 3:30 AM	8.47	7/11/2018 3:30 AM	8.46	7/12/2018 3:30 AM	8.46
7/10/2018 3:45 AM	8.48	7/11/2018 3:45 AM	8.48	7/12/2018 3:45 AM	8.47
7/10/2018 4:00 AM	8.48	7/11/2018 4:00 AM	8.49	7/12/2018 4:00 AM	8.47
7/10/2018 4:15 AM	8.48	7/11/2018 4:15 AM	8.49	7/12/2018 4:15 AM	8.49
7/10/2018 4:30 AM	8.44	7/11/2018 4:30 AM	8.49	7/12/2018 4:30 AM	8.51
7/10/2018 4:45 AM	8.44	7/11/2018 4:45 AM	8.49	7/12/2018 4:45 AM	8.52
7/10/2018 5:00 AM	8.43	7/11/2018 5:00 AM	8.44	7/12/2018 5:00 AM	8.54
7/10/2018 5:15 AM	8.44	7/11/2018 5:15 AM	8.44	7/12/2018 5:15 AM	8.54
7/10/2018 5:30 AM	8.45	7/11/2018 5:30 AM	8.45	7/12/2018 5:30 AM	8.54
7/10/2018 5:45 AM	8.45	7/11/2018 5:45 AM	8.46	7/12/2018 5:45 AM	8.54
7/10/2018 6:00 AM	8.43	7/11/2018 6:00 AM	8.48	7/12/2018 6:00 AM	8.50
7/10/2018 6:15 AM	8.42	7/11/2018 6:15 AM	8.49	7/12/2018 6:15 AM	8.49
7/10/2018 6:30 AM	8.42	7/11/2018 6:30 AM	8.50	7/12/2018 6:30 AM	8.49
7/10/2018 6:45 AM	8.43	7/11/2018 6:45 AM	8.51	7/12/2018 6:45 AM	8.49
7/10/2018 7:00 AM	8.45	7/11/2018 7:00 AM	8.51	7/12/2018 7:00 AM	8.50
7/10/2018 7:15 AM	8.47	7/11/2018 7:15 AM	8.51	7/12/2018 7:15 AM	8.50
7/10/2018 7:30 AM	8.47	7/11/2018 7:30 AM	8.47	7/12/2018 7:30 AM	8.50
7/10/2018 7:45 AM	8.47	7/11/2018 7:45 AM	8.47	7/12/2018 7:45 AM	8.45
7/10/2018 8:00 AM	8.46	7/11/2018 8:00 AM	8.46	7/12/2018 8:00 AM	8.45
7/10/2018 8:15 AM	8.46	7/11/2018 8:15 AM	8.46	7/12/2018 8:15 AM	8.46
7/10/2018 8:30 AM	8.45	7/11/2018 8:30 AM	8.48	7/12/2018 8:30 AM	8.47
7/10/2018 8:45 AM	8.44	7/11/2018 8:45 AM	8.44	7/12/2018 8:45 AM	8.49
7/10/2018 9:00 AM	8.43	7/11/2018 9:00 AM	8.41	7/12/2018 9:00 AM	8.51
7/10/2018 9:15 AM	8.40	7/11/2018 9:15 AM	8.40	7/12/2018 9:15 AM	8.51
7/10/2018 9:30 AM	8.38	7/11/2018 9:30 AM	8.39	7/12/2018 9:30 AM	8.50
7/10/2018 9:45 AM	8.38	7/11/2018 9:45 AM	8.43	7/12/2018 9:45 AM	8.49
7/10/2018 10:00 AM	8.39	7/11/2018 10:00 AM	8.44	7/12/2018 10:00 AM	8.48
7/10/2018 10:15 AM	8.39	7/11/2018 10:15 AM	8.45	7/12/2018 10:15 AM	8.47
7/10/2018 10:30 AM	8.38	7/11/2018 10:30 AM	8.47	7/12/2018 10:30 AM	8.48
7/10/2018 10:45 AM	8.32	7/11/2018 10:45 AM	8.45	7/12/2018 10:45 AM	8.46
7/10/2018 11:00 AM	8.31	7/11/2018 11:00 AM	8.47	7/12/2018 11:00 AM	8.46
7/10/2018 11:15 AM	8.31	7/11/2018 11:15 AM	8.46	7/12/2018 11:15 AM	8.46
7/10/2018 11:30 AM	8.32	7/11/2018 11:30 AM	8.45	7/12/2018 11:30 AM	8.46
7/10/2018 11:45 AM	8.34	7/11/2018 11:45 AM	8.46	7/12/2018 11:45 AM	8.46
7/10/2018 12:00 PM	8.36	7/11/2018 12:00 PM	8.46	7/12/2018 12:00 PM	8.43
7/10/2018 12:15 PM	8.38	7/11/2018 12:15 PM	8.46	7/12/2018 12:15 PM	8.40
7/10/2018 12:30 PM	8.40	7/11/2018 12:30 PM	8.47	7/12/2018 12:30 PM	8.40
7/10/2018 12:45 PM	8.41	7/11/2018 12:45 PM	8.49	7/12/2018 12:45 PM	8.41
7/10/2018 1:00 PM	8.41	7/11/2018 1:00 PM	8.47	7/12/2018 1:00 PM	8.44
7/10/2018 1:15 PM	8.40	7/11/2018 1:15 PM	8.45	7/12/2018 1:15 PM	8.47
7/10/2018 1:30 PM	8.40	7/11/2018 1:30 PM	8.46	7/12/2018 1:30 PM	8.48
7/10/2018 1:45 PM	8.38	7/11/2018 1:45 PM	8.44	7/12/2018 1:45 PM	8.49
7/10/2018 2:00 PM	8.38	7/11/2018 2:00 PM	8.42	7/12/2018 2:00 PM	8.48
7/10/2018 2:15 PM	8.37	7/11/2018 2:15 PM	8.43	7/12/2018 2:15 PM	8.48
7/10/2018 2:30 PM	8.37	7/11/2018 2:30 PM	8.44	7/12/2018 2:30 PM	8.49
7/10/2018 2:45 PM	8.38	7/11/2018 2:45 PM	8.44	7/12/2018 2:45 PM	8.49
7/10/2018 3:00 PM	8.37	7/11/2018 3:00 PM	8.45	7/12/2018 3:00 PM	8.49
7/10/2018 3:15 PM	8.36	7/11/2018 3:15 PM	8.47	7/12/2018 3:15 PM	8.50
7/10/2018 3:30 PM	8.36	7/11/2018 3:30 PM	8.48	7/12/2018 3:30 PM	8.50
7/10/2018 3:45 PM	8.37	7/11/2018 3:45 PM	8.49	7/12/2018 3:45 PM	8.50
7/10/2018 4:00 PM	8.38	7/11/2018 4:00 PM	8.49	7/12/2018 4:00 PM	8.49
7/10/2018 4:15 PM	8.40	7/11/2018 4:15 PM	8.49	7/12/2018 4:15 PM	8.49
7/10/2018 4:30 PM	8.42	7/11/2018 4:30 PM	8.49	7/12/2018 4:30 PM	8.50
7/10/2018 4:45 PM	8.44	7/11/2018 4:45 PM	8.48	7/12/2018 4:45 PM	8.49
7/10/2018 5:00 PM	8.44	7/11/2018 5:00 PM	8.48	7/12/2018 5:00 PM	8.49
7/10/2018 5:15 PM	8.44	7/11/2018 5:15 PM	8.49	7/12/2018 5:15 PM	8.47
7/10/2018 5:30 PM	8.44	7/11/2018 5:30 PM	8.50	7/12/2018 5:30 PM	8.45
7/10/2018 5:45 PM	8.44	7/11/2018 5:45 PM	8.50	7/12/2018 5:45 PM	8.45
7/10/2018 6:00 PM	8.45	7/11/2018 6:00 PM	8.50	7/12/2018 6:00 PM	8.45
7/10/2018 6:15 PM	8.43	7/11/2018 6:15 PM	8.46	7/12/2018 6:15 PM	8.46
7/10/2018 6:30 PM	8.43	7/11/2018 6:30 PM	8.43	7/12/2018 6:30 PM	8.47
7/10/2018 6:45 PM	8.44	7/11/2018 6:45 PM	8.44	7/12/2018 6:45 PM	8.49
7/10/2018 7:00 PM	8.44	7/11/2018 7:00 PM	8.44	7/12/2018 7:00 PM	8.49
7/10/2018 7:15 PM	8.44	7/11/2018 7:15 PM	8.45	7/12/2018 7:15 PM	8.50
7/10/2018 7:30 PM	8.45	7/11/2018 7:30 PM	8.47	7/12/2018 7:30 PM	8.50
7/10/2018 7:45 PM	8.45	7/11/2018 7:45 PM	8.48	7/12/2018 7:45 PM	8.49
7/10/2018 8:00 PM	8.41	7/11/2018 8:00 PM	8.50	7/12/2018 8:00 PM	8.49
7/10/2018 8:15 PM	8.41	7/11/2018 8:15 PM	8.50	7/12/2018 8:15 PM	8.50
7/10/2018 8:30 PM	8.41	7/11/2018 8:30 PM	8.51	7/12/2018 8:30 PM	8.52
7/10/2018 8:45 PM	8.43	7/11/2018 8:45 PM	8.51	7/12/2018 8:45 PM	8.52
7/10/2018 9:00 PM	8.45	7/11/2018 9:00 PM	8.50	7/12/2018 9:00 PM	8.52
7/10/2018 9:15 PM	8.46	7/11/2018 9:15 PM	8.49	7/12/2018 9:15 PM	8.52
7/10/2018 9:30 PM	8.47	7/11/2018 9:30 PM	8.49	7/12/2018 9:30 PM	8.50
7/10/2018 9:45 PM	8.48	7/11/2018 9:45 PM	8.50	7/12/2018 9:45 PM	8.47
7/10/2018 10:00 PM	8.48	7/11/2018 10:00 PM	8.51	7/12/2018 10:00 PM	8.47
7/10/2018 10:15 PM	8.48	7/11/2018 10:15 PM	8.51	7/12/2018 10:15 PM	8.47
7/10/2018 10:30 PM	8.48	7/11/2018 10:30 PM	8.52	7/12/2018 10:30 PM	8.49
7/10/2018 10:45 PM	8.48	7/11/2018 10:45 PM	8.51	7/12/2018 10:45 PM	8.50
7/10/2018 11:00 PM	8.48	7/11/2018 11:00 PM	8.49	7/12/2018 11:00 PM	8.52
7/10/2018 11:15 PM	8.48	7/11/2018 11:15 PM	8.46	7/12/2018 11:15 PM	8.53
7/10/2018 11:30 PM	8.48	7/11/2018 11:30 PM	8.46	7/12/2018 11:30 PM	8.54
7/10/2018 11:45 PM	8.50	7/11/2018 11:45 PM	8.47	7/12/2018 11:45 PM	8.54

AVG 8.42 AVG 8.47 AVG 8.49

Date And Time	pH	Date And Time	pH	Date And Time	pH
7/13/2018 12:00 AM	8.50	7/14/2018 12:00 AM	8.57	7/15/2018 12:00 AM	8.56
7/13/2018 12:15 AM	8.50	7/14/2018 12:15 AM	8.57	7/15/2018 12:15 AM	8.58
7/13/2018 12:30 AM	8.50	7/14/2018 12:30 AM	8.51	7/15/2018 12:30 AM	8.59
7/13/2018 12:45 AM	8.51	7/14/2018 12:45 AM	8.51	7/15/2018 12:45 AM	8.60
7/13/2018 1:00 AM	8.52	7/14/2018 1:00 AM	8.51	7/15/2018 1:00 AM	8.60
7/13/2018 1:15 AM	8.53	7/14/2018 1:15 AM	8.52	7/15/2018 1:15 AM	8.60
7/13/2018 1:30 AM	8.53	7/14/2018 1:30 AM	8.53	7/15/2018 1:30 AM	8.57
7/13/2018 1:45 AM	8.48	7/14/2018 1:45 AM	8.54	7/15/2018 1:45 AM	8.56
7/13/2018 2:00 AM	8.48	7/14/2018 2:00 AM	8.55	7/15/2018 2:00 AM	8.56
7/13/2018 2:15 AM	8.49	7/14/2018 2:15 AM	8.56	7/15/2018 2:15 AM	8.56
7/13/2018 2:30 AM	8.50	7/14/2018 2:30 AM	8.57	7/15/2018 2:30 AM	8.57
7/13/2018 2:45 AM	8.51	7/14/2018 2:45 AM	8.57	7/15/2018 2:45 AM	8.58
7/13/2018 3:00 AM	8.53	7/14/2018 3:00 AM	8.53	7/15/2018 3:00 AM	8.58
7/13/2018 3:15 AM	8.55	7/14/2018 3:15 AM	8.53	7/15/2018 3:15 AM	8.53
7/13/2018 3:30 AM	8.55	7/14/2018 3:30 AM	8.53	7/15/2018 3:30 AM	8.53
7/13/2018 3:45 AM	8.56	7/14/2018 3:45 AM	8.55	7/15/2018 3:45 AM	8.53
7/13/2018 4:00 AM	8.56	7/14/2018 4:00 AM	8.56	7/15/2018 4:00 AM	8.54
7/13/2018 4:15 AM	8.56	7/14/2018 4:15 AM	8.56	7/15/2018 4:15 AM	8.56
7/13/2018 4:30 AM	8.52	7/14/2018 4:30 AM	8.56	7/15/2018 4:30 AM	8.58
7/13/2018 4:45 AM	8.51	7/14/2018 4:45 AM	8.56	7/15/2018 4:45 AM	8.59
7/13/2018 5:00 AM	8.51	7/14/2018 5:00 AM	8.52	7/15/2018 5:00 AM	8.59
7/13/2018 5:15 AM	8.51	7/14/2018 5:15 AM	8.52	7/15/2018 5:15 AM	8.60
7/13/2018 5:30 AM	8.53	7/14/2018 5:30 AM	8.52	7/15/2018 5:30 AM	8.59
7/13/2018 5:45 AM	8.53	7/14/2018 5:45 AM	8.53	7/15/2018 5:45 AM	8.60
7/13/2018 6:00 AM	8.53	7/14/2018 6:00 AM	8.54	7/15/2018 6:00 AM	8.57
7/13/2018 6:15 AM	8.53	7/14/2018 6:15 AM	8.56	7/15/2018 6:15 AM	8.57
7/13/2018 6:30 AM	8.49	7/14/2018 6:30 AM	8.57	7/15/2018 6:30 AM	8.56
7/13/2018 6:45 AM	8.49	7/14/2018 6:45 AM	8.58	7/15/2018 6:45 AM	8.56
7/13/2018 7:00 AM	8.50	7/14/2018 7:00 AM	8.59	7/15/2018 7:00 AM	8.57
7/13/2018 7:15 AM	8.52	7/14/2018 7:15 AM	8.59	7/15/2018 7:15 AM	8.57
7/13/2018 7:30 AM	8.54	7/14/2018 7:30 AM	8.54	7/15/2018 7:30 AM	8.57
7/13/2018 7:45 AM	8.55	7/14/2018 7:45 AM	8.53	7/15/2018 7:45 AM	8.52
7/13/2018 8:00 AM	8.55	7/14/2018 8:00 AM	8.52	7/15/2018 8:00 AM	8.52
7/13/2018 8:15 AM	8.55	7/14/2018 8:15 AM	8.50	7/15/2018 8:15 AM	8.53
7/13/2018 8:30 AM	8.54	7/14/2018 8:30 AM	8.48	7/15/2018 8:30 AM	8.53
7/13/2018 8:45 AM	8.53	7/14/2018 8:45 AM	8.49	7/15/2018 8:45 AM	8.55
7/13/2018 9:00 AM	8.50	7/14/2018 9:00 AM	8.49	7/15/2018 9:00 AM	8.55
7/13/2018 9:15 AM	8.49	7/14/2018 9:15 AM	8.50	7/15/2018 9:15 AM	8.56
7/13/2018 9:30 AM	8.48	7/14/2018 9:30 AM	8.49	7/15/2018 9:30 AM	8.55
7/13/2018 9:45 AM	8.47	7/14/2018 9:45 AM	8.49	7/15/2018 9:45 AM	8.56
7/13/2018 10:00 AM	8.48	7/14/2018 10:00 AM	8.49	7/15/2018 10:00 AM	8.56
7/13/2018 10:15 AM	8.48	7/14/2018 10:15 AM	8.49	7/15/2018 10:15 AM	8.57
7/13/2018 10:30 AM	8.47	7/14/2018 10:30 AM	8.45	7/15/2018 10:30 AM	8.57
7/13/2018 10:45 AM	8.43	7/14/2018 10:45 AM	8.44	7/15/2018 10:45 AM	8.55
7/13/2018 11:00 AM	8.43	7/14/2018 11:00 AM	8.44	7/15/2018 11:00 AM	8.55
7/13/2018 11:15 AM	8.44	7/14/2018 11:15 AM	8.45	7/15/2018 11:15 AM	8.55
7/13/2018 11:30 AM	8.46	7/14/2018 11:30 AM	8.47	7/15/2018 11:30 AM	8.56
7/13/2018 11:45 AM	8.48	7/14/2018 11:45 AM	8.49	7/15/2018 11:45 AM	8.55
7/13/2018 12:00 PM	8.51	7/14/2018 12:00 PM	8.48	7/15/2018 12:00 PM	8.56
7/13/2018 12:15 PM	8.51	7/14/2018 12:15 PM	8.46	7/15/2018 12:15 PM	8.55
7/13/2018 12:30 PM	8.51	7/14/2018 12:30 PM	8.47	7/15/2018 12:30 PM	8.55
7/13/2018 12:45 PM	8.51	7/14/2018 12:45 PM	8.48	7/15/2018 12:45 PM	8.51
7/13/2018 1:00 PM	8.50	7/14/2018 1:00 PM	8.49	7/15/2018 1:00 PM	8.50
7/13/2018 1:15 PM	8.51	7/14/2018 1:15 PM	8.49	7/15/2018 1:15 PM	8.50
7/13/2018 1:30 PM	8.52	7/14/2018 1:30 PM	8.49	7/15/2018 1:30 PM	8.50
7/13/2018 1:45 PM	8.50	7/14/2018 1:45 PM	8.44	7/15/2018 1:45 PM	8.52
7/13/2018 2:00 PM	8.49	7/14/2018 2:00 PM	8.43	7/15/2018 2:00 PM	8.53
7/13/2018 2:15 PM	8.49	7/14/2018 2:15 PM	8.45	7/15/2018 2:15 PM	8.54
7/13/2018 2:30 PM	8.47	7/14/2018 2:30 PM	8.49	7/15/2018 2:30 PM	8.55
7/13/2018 2:45 PM	8.45	7/14/2018 2:45 PM	8.52	7/15/2018 2:45 PM	8.55
7/13/2018 3:00 PM	8.45	7/14/2018 3:00 PM	8.53	7/15/2018 3:00 PM	8.53
7/13/2018 3:15 PM	8.48	7/14/2018 3:15 PM	8.55	7/15/2018 3:15 PM	8.52
7/13/2018 3:30 PM	8.50	7/14/2018 3:30 PM	8.56	7/15/2018 3:30 PM	8.52
7/13/2018 3:45 PM	8.51	7/14/2018 3:45 PM	8.56	7/15/2018 3:45 PM	8.54
7/13/2018 4:00 PM	8.52	7/14/2018 4:00 PM	8.56	7/15/2018 4:00 PM	8.56
7/13/2018 4:15 PM	8.53	7/14/2018 4:15 PM	8.56	7/15/2018 4:15 PM	8.57
7/13/2018 4:30 PM	8.53	7/14/2018 4:30 PM	8.57	7/15/2018 4:30 PM	8.57
7/13/2018 4:45 PM	8.53	7/14/2018 4:45 PM	8.55	7/15/2018 4:45 PM	8.57
7/13/2018 5:00 PM	8.53	7/14/2018 5:00 PM	8.55	7/15/2018 5:00 PM	8.52
7/13/2018 5:15 PM	8.52	7/14/2018 5:15 PM	8.56	7/15/2018 5:15 PM	8.51
7/13/2018 5:30 PM	8.52	7/14/2018 5:30 PM	8.57	7/15/2018 5:30 PM	8.52
7/13/2018 5:45 PM	8.52	7/14/2018 5:45 PM	8.57	7/15/2018 5:45 PM	8.53
7/13/2018 6:00 PM	8.52	7/14/2018 6:00 PM	8.57	7/15/2018 6:00 PM	8.55
7/13/2018 6:15 PM	8.51	7/14/2018 6:15 PM	8.51	7/15/2018 6:15 PM	8.57
7/13/2018 6:30 PM	8.51	7/14/2018 6:30 PM	8.51	7/15/2018 6:30 PM	8.58
7/13/2018 6:45 PM	8.51	7/14/2018 6:45 PM	8.51	7/15/2018 6:45 PM	8.59
7/13/2018 7:00 PM	8.50	7/14/2018 7:00 PM	8.52	7/15/2018 7:00 PM	8.59
7/13/2018 7:15 PM	8.50	7/14/2018 7:15 PM	8.54	7/15/2018 7:15 PM	8.59
7/13/2018 7:30 PM	8.50	7/14/2018 7:30 PM	8.56	7/15/2018 7:30 PM	8.56
7/13/2018 7:45 PM	8.55	7/14/2018 7:45 PM	8.57	7/15/2018 7:45 PM	8.56
7/13/2018 8:00 PM	8.53	7/14/2018 8:00 PM	8.58	7/15/2018 8:00 PM	8.56
7/13/2018 8:15 PM	8.52	7/14/2018 8:15 PM	8.58	7/15/2018 8:15 PM	8.57
7/13/2018 8:30 PM	8.53	7/14/2018 8:30 PM	8.58	7/15/2018 8:30 PM	8.58
7/13/2018 8:45 PM	8.54	7/14/2018 8:45 PM	8.58	7/15/2018 8:45 PM	8.58
7/13/2018 9:00 PM	8.55	7/14/2018 9:00 PM	8.57	7/15/2018 9:00 PM	8.58
7/13/2018 9:15 PM	8.55	7/14/2018 9:15 PM	8.57	7/15/2018 9:15 PM	8.52
7/13/2018 9:30 PM	8.56	7/14/2018 9:30 PM	8.56	7/15/2018 9:30 PM	8.53
7/13/2018 9:45 PM	8.56	7/14/2018 9:45 PM	8.57	7/15/2018 9:45 PM	8.53
7/13/2018 10:00 PM	8.56	7/14/2018 10:00 PM	8.58	7/15/2018 10:00 PM	8.54
7/13/2018 10:15 PM	8.56	7/14/2018 10:15 PM	8.58	7/15/2018 10:15 PM	8.56
7/13/2018 10:30 PM	8.54	7/14/2018 10:30 PM	8.58	7/15/2018 10:30 PM	8.58
7/13/2018 10:45 PM	8.54	7/14/2018 10:45 PM	8.58	7/15/2018 10:45 PM	8.59
7/13/2018 11:00 PM	8.54	7/14/2018 11:00 PM	8.53	7/15/2018 11:00 PM	8.60
7/13/2018 11:15 PM	8.56	7/14/2018 11:15 PM	8.53	7/15/2018 11:15 PM	8.60
7/13/2018 11:30 PM	8.57	7/14/2018 11:30 PM	8.53	7/15/2018 11:30 PM	8.60
7/13/2018 11:45 PM	8.57	7/14/2018 11:45 PM	8.54	7/15/2018 11:45 PM	8.60

AVG 8.51 AVG 8.53 AVG 8.56

Avg 8.54 Avg 8.55 Avg 8.55

Date And Time	pH	Date And Time	pH	Date And Time	pH
7/19/2018 12:00 AM	8.53	7/20/2018 12:00 AM	8.52	7/21/2018 12:00 AM	8.38
7/19/2018 12:15 AM	8.53	7/20/2018 12:15 AM	8.52	7/21/2018 12:15 AM	8.40
7/19/2018 12:30 AM	8.52	7/20/2018 12:30 AM	8.53	7/21/2018 12:30 AM	8.42
7/19/2018 12:45 AM	8.52	7/20/2018 12:45 AM	8.53	7/21/2018 12:45 AM	8.43
7/19/2018 1:00 AM	8.53	7/20/2018 1:00 AM	8.53	7/21/2018 1:00 AM	8.43
7/19/2018 1:15 AM	8.53	7/20/2018 1:15 AM	8.53	7/21/2018 1:15 AM	8.44
7/19/2018 1:30 AM	8.53	7/20/2018 1:30 AM	8.53	7/21/2018 1:30 AM	8.40
7/19/2018 1:45 AM	8.53	7/20/2018 1:45 AM	8.53	7/21/2018 1:45 AM	8.39
7/19/2018 2:00 AM	8.49	7/20/2018 2:00 AM	8.53	7/21/2018 2:00 AM	8.39
7/19/2018 2:15 AM	8.49	7/20/2018 2:15 AM	8.53	7/21/2018 2:15 AM	8.39
7/19/2018 2:30 AM	8.51	7/20/2018 2:30 AM	8.53	7/21/2018 2:30 AM	8.40
7/19/2018 2:45 AM	8.52	7/20/2018 2:45 AM	8.53	7/21/2018 2:45 AM	8.41
7/19/2018 3:00 AM	8.54	7/20/2018 3:00 AM	8.50	7/21/2018 3:00 AM	8.41
7/19/2018 3:15 AM	8.56	7/20/2018 3:15 AM	8.48	7/21/2018 3:15 AM	8.36
7/19/2018 3:30 AM	8.56	7/20/2018 3:30 AM	8.47	7/21/2018 3:30 AM	8.36
7/19/2018 3:45 AM	8.57	7/20/2018 3:45 AM	8.48	7/21/2018 3:45 AM	8.37
7/19/2018 4:00 AM	8.57	7/20/2018 4:00 AM	8.48	7/21/2018 4:00 AM	8.38
7/19/2018 4:15 AM	8.57	7/20/2018 4:15 AM	8.49	7/21/2018 4:15 AM	8.40
7/19/2018 4:30 AM	8.57	7/20/2018 4:30 AM	8.50	7/21/2018 4:30 AM	8.42
7/19/2018 4:45 AM	8.57	7/20/2018 4:45 AM	8.51	7/21/2018 4:45 AM	8.43
7/19/2018 5:00 AM	8.57	7/20/2018 5:00 AM	8.51	7/21/2018 5:00 AM	8.43
7/19/2018 5:15 AM	8.57	7/20/2018 5:15 AM	8.52	7/21/2018 5:15 AM	8.44
7/19/2018 5:30 AM	8.56	7/20/2018 5:30 AM	8.52	7/21/2018 5:30 AM	8.44
7/19/2018 5:45 AM	8.57	7/20/2018 5:45 AM	8.52	7/21/2018 5:45 AM	8.44
7/19/2018 6:00 AM	8.52	7/20/2018 6:00 AM	8.52	7/21/2018 6:00 AM	8.44
7/19/2018 6:15 AM	8.51	7/20/2018 6:15 AM	8.52	7/21/2018 6:15 AM	8.44
7/19/2018 6:30 AM	8.51	7/20/2018 6:30 AM	8.52	7/21/2018 6:30 AM	8.44
7/19/2018 6:45 AM	8.49	7/20/2018 6:45 AM	8.52	7/21/2018 6:45 AM	8.43
7/19/2018 7:00 AM	8.50	7/20/2018 7:00 AM	8.52	7/21/2018 7:00 AM	8.43
7/19/2018 7:15 AM	8.50	7/20/2018 7:15 AM	8.52	7/21/2018 7:15 AM	8.45
7/19/2018 7:30 AM	8.51	7/20/2018 7:30 AM	8.48	7/21/2018 7:30 AM	8.40
7/19/2018 7:45 AM	8.52	7/20/2018 7:45 AM	8.46	7/21/2018 7:45 AM	8.40
7/19/2018 8:00 AM	8.52	7/20/2018 8:00 AM	8.43	7/21/2018 8:00 AM	8.38
7/19/2018 8:15 AM	8.52	7/20/2018 8:15 AM	8.42	7/21/2018 8:15 AM	8.37
7/19/2018 8:30 AM	8.52	7/20/2018 8:30 AM	8.40	7/21/2018 8:30 AM	8.37
7/19/2018 8:45 AM	8.51	7/20/2018 8:45 AM	8.39	7/21/2018 8:45 AM	8.37
7/19/2018 9:00 AM	8.49	7/20/2018 9:00 AM	8.39	7/21/2018 9:00 AM	8.38
7/19/2018 9:15 AM	8.47	7/20/2018 9:15 AM	8.41	7/21/2018 9:15 AM	8.39
7/19/2018 9:30 AM	8.47	7/20/2018 9:30 AM	8.40	7/21/2018 9:30 AM	8.39
7/19/2018 9:45 AM	8.47	7/20/2018 9:45 AM	8.40	7/21/2018 9:45 AM	8.40
7/19/2018 10:00 AM	8.48	7/20/2018 10:00 AM	8.40	7/21/2018 10:00 AM	8.41
7/19/2018 10:15 AM	8.48	7/20/2018 10:15 AM	8.42	7/21/2018 10:15 AM	8.41
7/19/2018 10:30 AM	0.00	7/20/2018 10:30 AM	8.45	7/21/2018 10:30 AM	8.38
7/19/2018 10:45 AM	0.00	7/20/2018 10:45 AM	8.46	7/21/2018 10:45 AM	8.38
7/19/2018 11:00 AM	0.00	7/20/2018 11:00 AM	8.46	7/21/2018 11:00 AM	8.37
7/19/2018 11:15 AM	0.00	7/20/2018 11:15 AM	8.45	7/21/2018 11:15 AM	8.38
7/19/2018 11:30 AM	0.00	7/20/2018 11:30 AM	8.46	7/21/2018 11:30 AM	8.39
7/19/2018 11:45 AM	0.00	7/20/2018 11:45 AM	8.45	7/21/2018 11:45 AM	8.40
7/19/2018 12:00 PM	8.46	7/20/2018 12:00 PM	8.39	7/21/2018 12:00 PM	8.42
7/19/2018 12:45 PM	8.49	7/20/2018 12:45 PM	8.41	7/21/2018 12:45 PM	8.43
7/19/2018 3:00 PM	8.45	7/20/2018 3:00 PM	8.42	7/21/2018 3:00 PM	8.39
7/19/2018 3:15 PM	8.43	7/20/2018 3:15 PM	8.43	7/21/2018 3:15 PM	8.39
7/19/2018 3:30 PM	8.44	7/20/2018 3:30 PM	8.44	7/21/2018 3:30 PM	8.38
7/19/2018 3:45 PM	8.44	7/20/2018 3:45 PM	8.44	7/21/2018 3:45 PM	8.39
7/19/2018 4:00 PM	8.46	7/20/2018 4:00 PM	8.44	7/21/2018 4:00 PM	8.40
7/19/2018 4:15 PM	8.48	7/20/2018 4:15 PM	8.44	7/21/2018 4:15 PM	8.40
7/19/2018 4:30 PM	8.50	7/20/2018 4:30 PM	8.44	7/21/2018 4:30 PM	8.40
7/19/2018 4:45 PM	8.50	7/20/2018 4:45 PM	8.43	7/21/2018 4:45 PM	8.36
7/19/2018 5:00 PM	8.51	7/20/2018 5:00 PM	8.43	7/21/2018 5:00 PM	8.35
7/19/2018 5:15 PM	8.51	7/20/2018 5:15 PM	8.45	7/21/2018 5:15 PM	8.36
7/19/2018 5:30 PM	8.50	7/20/2018 5:30 PM	8.45	7/21/2018 5:30 PM	8.36
7/19/2018 5:45 PM	8.50	7/20/2018 5:45 PM	8.44	7/21/2018 5:45 PM	8.38
7/19/2018 6:00 PM	8.51	7/20/2018 6:00 PM	8.44	7/21/2018 6:00 PM	8.39
7/19/2018 6:15 PM	8.49	7/20/2018 6:15 PM	8.44	7/21/2018 6:15 PM	8.41
7/19/2018 6:30 PM	8.49	7/20/2018 6:30 PM	8.37	7/21/2018 6:30 PM	8.43
7/19/2018 6:45 PM	8.50	7/20/2018 6:45 PM	8.36	7/21/2018 6:45 PM	8.44
7/19/2018 7:00 PM	8.46	7/20/2018 7:00 PM	8.35	7/21/2018 7:00 PM	8.44
7/19/2018 7:15 PM	8.45	7/20/2018 7:15 PM	8.36	7/21/2018 7:15 PM	8.44
7/19/2018 7:30 PM	8.45	7/20/2018 7:30 PM	8.37	7/21/2018 7:30 PM	8.39
7/19/2018 7:45 PM	8.46	7/20/2018 7:45 PM	8.38	7/21/2018 7:45 PM	8.38
7/19/2018 8:00 PM	8.47	7/20/2018 8:00 PM	8.40	7/21/2018 8:00 PM	8.38
7/19/2018 8:15 PM	8.49	7/20/2018 8:15 PM	8.41	7/21/2018 8:15 PM	8.38
7/19/2018 8:30 PM	8.50	7/20/2018 8:30 PM	8.42	7/21/2018 8:30 PM	8.39
7/19/2018 8:45 PM	8.51	7/20/2018 8:45 PM	8.43	7/21/2018 8:45 PM	8.39
7/19/2018 9:00 PM	8.51	7/20/2018 9:00 PM	8.41	7/21/2018 9:00 PM	8.39
7/19/2018 9:15 PM	8.52	7/20/2018 9:15 PM	8.40	7/21/2018 9:15 PM	8.35
7/19/2018 9:30 PM	8.52	7/20/2018 9:30 PM	8.40	7/21/2018 9:30 PM	8.36
7/19/2018 9:45 PM	8.52	7/20/2018 9:45 PM	8.42	7/21/2018 9:45 PM	8.37
7/19/2018 10:00 PM	8.52	7/20/2018 10:00 PM	8.42	7/21/2018 10:00 PM	8.38
7/19/2018 10:15 PM	8.52	7/20/2018 10:15 PM	8.43	7/21/2018 10:15 PM	8.40
7/19/2018 10:30 PM	8.51	7/20/2018 10:30 PM	8.42	7/21/2018 10:30 PM	8.42
7/19/2018 10:45 PM	8.49	7/20/2018 10:45 PM	8.42	7/21/2018 10:45 PM	8.43
7/19/2018 11:00 PM	8.49	7/20/2018 11:00 PM	8.36	7/21/2018 11:00 PM	8.44
7/19/2018 11:15 PM	8.48	7/20/2018 11:15 PM	8.36	7/21/2018 11:15 PM	8.44
7/19/2018 11:30 PM	8.50	7/20/2018 11:30 PM	8.36	7/21/2018 11:30 PM	8.44
7/19/2018 11:45 PM	8.51	7/20/2018 11:45 PM	8.37	7/21/2018 11:45 PM	8.44

AVG

8.51

AVG

8.45

AVG

8.45

AVG

8.40

On 7/19/18 between 10:30am and 2:15pm there was a total communication failure due to a failed ethernet switch. Average pH does not include data from this time as no effluent was discharged during the failure.

Avg 8.37 Avg 8.34 Avg 8.31

Date And Time	pH	Date And Time	pH	Date And Time	pH
7/25/2018 12:00 AM	8.29	7/26/2018 12:00 AM	8.20	7/27/2018 12:00 AM	8.10
7/25/2018 12:15 AM	8.29	7/26/2018 12:15 AM	8.16	7/27/2018 12:15 AM	8.11
7/25/2018 12:30 AM	8.28	7/26/2018 12:30 AM	8.17	7/27/2018 12:30 AM	8.12
7/25/2018 12:45 AM	8.29	7/26/2018 12:45 AM	8.17	7/27/2018 12:45 AM	8.13
7/25/2018 1:00 AM	8.30	7/26/2018 1:00 AM	8.19	7/27/2018 1:00 AM	8.14
7/25/2018 1:15 AM	8.30	7/26/2018 1:15 AM	8.21	7/27/2018 1:15 AM	8.15
7/25/2018 1:30 AM	8.30	7/26/2018 1:30 AM	8.23	7/27/2018 1:30 AM	8.10
7/25/2018 1:45 AM	8.30	7/26/2018 1:45 AM	8.24	7/27/2018 1:45 AM	8.10
7/25/2018 2:00 AM	8.25	7/26/2018 2:00 AM	8.25	7/27/2018 2:00 AM	8.10
7/25/2018 2:15 AM	8.25	7/26/2018 2:15 AM	8.25	7/27/2018 2:15 AM	8.11
7/25/2018 2:30 AM	8.25	7/26/2018 2:30 AM	8.25	7/27/2018 2:30 AM	8.12
7/25/2018 2:45 AM	8.27	7/26/2018 2:45 AM	8.25	7/27/2018 2:45 AM	8.12
7/25/2018 3:00 AM	8.28	7/26/2018 3:00 AM	8.21	7/27/2018 3:00 AM	8.12
7/25/2018 3:15 AM	8.30	7/26/2018 3:15 AM	8.19	7/27/2018 3:15 AM	8.11
7/25/2018 3:30 AM	8.31	7/26/2018 3:30 AM	8.18	7/27/2018 3:30 AM	8.06
7/25/2018 3:45 AM	8.32	7/26/2018 3:45 AM	8.18	7/27/2018 3:45 AM	8.07
7/25/2018 4:00 AM	8.32	7/26/2018 4:00 AM	8.18	7/27/2018 4:00 AM	8.08
7/25/2018 4:15 AM	8.33	7/26/2018 4:15 AM	8.19	7/27/2018 4:15 AM	8.09
7/25/2018 4:30 AM	8.29	7/26/2018 4:30 AM	8.18	7/27/2018 4:30 AM	8.11
7/25/2018 4:45 AM	8.28	7/26/2018 4:45 AM	8.14	7/27/2018 4:45 AM	8.13
7/25/2018 5:00 AM	8.27	7/26/2018 5:00 AM	8.15	7/27/2018 5:00 AM	8.14
7/25/2018 5:15 AM	8.27	7/26/2018 5:15 AM	8.16	7/27/2018 5:15 AM	8.15
7/25/2018 5:30 AM	8.28	7/26/2018 5:30 AM	8.17	7/27/2018 5:30 AM	8.16
7/25/2018 5:45 AM	8.28	7/26/2018 5:45 AM	8.19	7/27/2018 5:45 AM	8.16
7/25/2018 6:00 AM	8.28	7/26/2018 6:00 AM	8.21	7/27/2018 6:00 AM	8.10
7/25/2018 6:15 AM	8.23	7/26/2018 6:15 AM	8.22	7/27/2018 6:15 AM	8.09
7/25/2018 6:30 AM	8.24	7/26/2018 6:30 AM	8.23	7/27/2018 6:30 AM	8.08
7/25/2018 6:45 AM	8.25	7/26/2018 6:45 AM	8.23	7/27/2018 6:45 AM	8.08
7/25/2018 7:00 AM	8.26	7/26/2018 7:00 AM	8.23	7/27/2018 7:00 AM	8.09
7/25/2018 7:15 AM	8.28	7/26/2018 7:15 AM	8.23	7/27/2018 7:15 AM	8.09
7/25/2018 7:30 AM	8.29	7/26/2018 7:30 AM	8.18	7/27/2018 7:30 AM	8.09
7/25/2018 7:45 AM	8.30	7/26/2018 7:45 AM	8.17	7/27/2018 7:45 AM	8.05
7/25/2018 8:00 AM	8.30	7/26/2018 8:00 AM	8.16	7/27/2018 8:00 AM	8.04
7/25/2018 8:15 AM	8.30	7/26/2018 8:15 AM	8.15	7/27/2018 8:15 AM	8.04
7/25/2018 8:30 AM	8.29	7/26/2018 8:30 AM	8.15	7/27/2018 8:30 AM	8.06
7/25/2018 8:45 AM	8.29	7/26/2018 8:45 AM	8.14	7/27/2018 8:45 AM	8.06
7/25/2018 9:00 AM	8.27	7/26/2018 9:00 AM	8.12	7/27/2018 9:00 AM	8.06
7/25/2018 9:15 AM	8.25	7/26/2018 9:15 AM	8.09	7/27/2018 9:15 AM	8.06
7/25/2018 9:30 AM	8.24	7/26/2018 9:30 AM	8.02	7/27/2018 9:30 AM	8.05
7/25/2018 9:45 AM	8.24	7/26/2018 9:45 AM	7.98	7/27/2018 9:45 AM	8.03
7/25/2018 10:00 AM	8.25	7/26/2018 10:00 AM	8.03	7/27/2018 10:00 AM	8.02
7/25/2018 10:15 AM	8.25	7/26/2018 10:15 AM	8.05	7/27/2018 10:15 AM	8.01
7/25/2018 10:30 AM	8.24	7/26/2018 10:30 AM	8.06	7/27/2018 10:30 AM	7.97
7/25/2018 10:45 AM	8.18	7/26/2018 10:45 AM	8.07	7/27/2018 10:45 AM	7.92
7/25/2018 11:00 AM	8.15	7/26/2018 11:00 AM	8.05	7/27/2018 11:00 AM	7.90
7/25/2018 11:15 AM	8.14	7/26/2018 11:15 AM	8.07	7/27/2018 11:15 AM	7.91
7/25/2018 11:30 AM	8.14	7/26/2018 11:30 AM	8.08	7/27/2018 11:30 AM	7.92
7/25/2018 11:45 AM	8.19	7/26/2018 11:45 AM	8.07	7/27/2018 11:45 AM	7.93
7/25/2018 12:00 PM	8.21	7/26/2018 12:00 PM	8.04	7/27/2018 12:00 PM	7.92
7/25/2018 12:15 PM	8.21	7/26/2018 12:15 PM	8.00	7/27/2018 12:15 PM	7.92
7/25/2018 12:30 PM	8.24	7/26/2018 12:30 PM	8.01	7/27/2018 12:30 PM	7.92
7/25/2018 12:45 PM	8.27	7/26/2018 12:45 PM	8.00	7/27/2018 12:45 PM	7.97
7/25/2018 1:00 PM	8.29	7/26/2018 1:00 PM	8.05	7/27/2018 1:00 PM	8.00
7/25/2018 1:15 PM	8.28	7/26/2018 1:15 PM	8.05	7/27/2018 1:15 PM	8.00
7/25/2018 1:30 PM	8.27	7/26/2018 1:30 PM	8.02	7/27/2018 1:30 PM	8.01
7/25/2018 1:45 PM	8.24	7/26/2018 1:45 PM	7.95	7/27/2018 1:45 PM	8.02
7/25/2018 2:00 PM	8.23	7/26/2018 2:00 PM	7.95	7/27/2018 2:00 PM	8.00
7/25/2018 2:15 PM	8.23	7/26/2018 2:15 PM	7.97	7/27/2018 2:15 PM	8.01
7/25/2018 2:30 PM	8.24	7/26/2018 2:30 PM	8.01	7/27/2018 2:30 PM	7.92
7/25/2018 2:45 PM	8.24	7/26/2018 2:45 PM	8.08	7/27/2018 2:45 PM	8.05
7/25/2018 3:00 PM	8.25	7/26/2018 3:00 PM	8.12	7/27/2018 3:00 PM	8.01
7/25/2018 3:15 PM	8.25	7/26/2018 3:15 PM	8.15	7/27/2018 3:15 PM	8.01
7/25/2018 3:30 PM	8.20	7/26/2018 3:30 PM	8.14	7/27/2018 3:30 PM	8.03
7/25/2018 3:45 PM	8.20	7/26/2018 3:45 PM	8.14	7/27/2018 3:45 PM	8.04
7/25/2018 4:00 PM	8.21	7/26/2018 4:00 PM	8.14	7/27/2018 4:00 PM	8.04
7/25/2018 4:15 PM	8.22	7/26/2018 4:15 PM	8.14	7/27/2018 4:15 PM	8.05
7/25/2018 4:30 PM	8.24	7/26/2018 4:30 PM	8.13	7/27/2018 4:30 PM	8.09
7/25/2018 4:45 PM	8.26	7/26/2018 4:45 PM	8.13	7/27/2018 4:45 PM	8.09
7/25/2018 5:00 PM	8.27	7/26/2018 5:00 PM	8.13	7/27/2018 5:00 PM	8.04
7/25/2018 5:15 PM	8.28	7/26/2018 5:15 PM	8.13	7/27/2018 5:15 PM	8.03
7/25/2018 5:30 PM	8.27	7/26/2018 5:30 PM	8.13	7/27/2018 5:30 PM	8.03
7/25/2018 5:45 PM	8.28	7/26/2018 5:45 PM	8.12	7/27/2018 5:45 PM	8.03
7/25/2018 6:00 PM	8.23	7/26/2018 6:00 PM	8.13	7/27/2018 6:00 PM	8.03
7/25/2018 6:15 PM	8.23	7/26/2018 6:15 PM	8.10	7/27/2018 6:15 PM	8.05
7/25/2018 6:30 PM	8.22	7/26/2018 6:30 PM	8.09	7/27/2018 6:30 PM	8.09
7/25/2018 6:45 PM	8.22	7/26/2018 6:45 PM	8.09	7/27/2018 6:45 PM	8.09
7/25/2018 7:00 PM	8.23	7/26/2018 7:00 PM	8.08	7/27/2018 7:00 PM	8.08
7/25/2018 7:15 PM	8.23	7/26/2018 7:15 PM	8.08	7/27/2018 7:15 PM	8.09
7/25/2018 7:30 PM	8.22	7/26/2018 7:30 PM	8.11	7/27/2018 7:30 PM	8.07
7/25/2018 7:45 PM	8.22	7/26/2018 7:45 PM	8.13	7/27/2018 7:45 PM	8.06
7/25/2018 8:00 PM	8.18	7/26/2018 8:00 PM	8.14	7/27/2018 8:00 PM	8.06
7/25/2018 8:15 PM	8.18	7/26/2018 8:15 PM	8.15	7/27/2018 8:15 PM	8.07
7/25/2018 8:30 PM	8.19	7/26/2018 8:30 PM	8.15	7/27/2018 8:30 PM	8.09
7/25/2018 8:45 PM	8.20	7/26/2018 8:45 PM	8.15	7/27/2018 8:45 PM	8.09
7/25/2018 9:00 PM	8.23	7/26/2018 9:00 PM	8.13	7/27/2018 9:00 PM	8.08
7/25/2018 9:15 PM	8.24	7/26/2018 9:15 PM	8.12	7/27/2018 9:15 PM	8.08
7/25/2018 9:30 PM	8.26	7/26/2018 9:30 PM	8.13	7/27/2018 9:30 PM	8.05
7/25/2018 9:45 PM	8.26	7/26/2018 9:45 PM	8.15	7/27/2018 9:45 PM	8.04
7/25/2018 10:00 PM	8.27	7/26/2018 10:00 PM	8.15	7/27/2018 10:00 PM	8.04
7/25/2018 10:15 PM	8.27	7/26/2018 10:15 PM	8.15	7/27/2018 10:15 PM	8.05
7/25/2018 10:30 PM	8.22	7/26/2018 10:30 PM	8.15	7/27/2018 10:30 PM	8.07
7/25/2018 10:45 PM	8.20	7/26/2018 10:45 PM	8.15	7/27/2018 10:45 PM	8.09
7/25/2018 11:00 PM	8.20	7/26/2018 11:00 PM	8.11	7/27/2018 11:00 PM	8.10
7/25/2018 11:15 PM	8.20	7/26/2018 11:15 PM	8.09	7/27/2018 11:15 PM	8.11
7/25/2018 11:30 PM	8.20	7/26/2018 11:30 PM	8.09	7/27/2018 11:30 PM	8.12
7/25/2018 11:45 PM	8.20	7/26/2018 11:45 PM	8.09	7/27/2018 11:45 PM	8.12

AVG 8.25 AVG 8.13 AVG 8.06

Date And Time	pH	Date And Time	pH	Date And Time	pH
7/28/2018 12:00 AM	8.07	7/29/2018 12:00 AM	8.13	7/30/2018 12:00 AM	8.23
7/28/2018 12:15 AM	8.06	7/29/2018 12:15 AM	8.13	7/30/2018 12:15 AM	8.25
7/28/2018 12:30 AM	8.05	7/29/2018 12:30 AM	8.12	7/30/2018 12:30 AM	8.26
7/28/2018 12:45 AM	8.06	7/29/2018 12:45 AM	8.08	7/30/2018 12:45 AM	8.27
7/28/2018 1:00 AM	8.06	7/29/2018 1:00 AM	8.09	7/30/2018 1:00 AM	8.28
7/28/2018 1:15 AM	8.07	7/29/2018 1:15 AM	8.09	7/30/2018 1:15 AM	8.28
7/28/2018 1:30 AM	8.07	7/29/2018 1:30 AM	8.11	7/30/2018 1:30 AM	8.24
7/28/2018 1:45 AM	8.03	7/29/2018 1:45 AM	8.12	7/30/2018 1:45 AM	8.23
7/28/2018 2:00 AM	8.03	7/29/2018 2:00 AM	8.14	7/30/2018 2:00 AM	8.23
7/28/2018 2:15 AM	8.04	7/29/2018 2:15 AM	8.15	7/30/2018 2:15 AM	8.23
7/28/2018 2:30 AM	8.06	7/29/2018 2:30 AM	8.16	7/30/2018 2:30 AM	8.24
7/28/2018 2:45 AM	8.08	7/29/2018 2:45 AM	8.17	7/30/2018 2:45 AM	8.25
7/28/2018 3:00 AM	8.09	7/29/2018 3:00 AM	8.11	7/30/2018 3:00 AM	8.25
7/28/2018 3:15 AM	8.11	7/29/2018 3:15 AM	8.11	7/30/2018 3:15 AM	8.22
7/28/2018 3:30 AM	8.12	7/29/2018 3:30 AM	8.11	7/30/2018 3:30 AM	8.23
7/28/2018 3:45 AM	8.12	7/29/2018 3:45 AM	8.11	7/30/2018 3:45 AM	8.24
7/28/2018 4:00 AM	8.12	7/29/2018 4:00 AM	8.12	7/30/2018 4:00 AM	8.25
7/28/2018 4:15 AM	8.12	7/29/2018 4:15 AM	8.13	7/30/2018 4:15 AM	8.27
7/28/2018 4:30 AM	8.07	7/29/2018 4:30 AM	8.13	7/30/2018 4:30 AM	8.29
7/28/2018 4:45 AM	8.06	7/29/2018 4:45 AM	8.13	7/30/2018 4:45 AM	8.30
7/28/2018 5:00 AM	8.06	7/29/2018 5:00 AM	8.10	7/30/2018 5:00 AM	8.31
7/28/2018 5:15 AM	8.06	7/29/2018 5:15 AM	8.11	7/30/2018 5:15 AM	8.31
7/28/2018 5:30 AM	8.06	7/29/2018 5:30 AM	8.12	7/30/2018 5:30 AM	8.31
7/28/2018 5:45 AM	8.07	7/29/2018 5:45 AM	8.13	7/30/2018 5:45 AM	8.31
7/28/2018 6:00 AM	8.07	7/29/2018 6:00 AM	8.15	7/30/2018 6:00 AM	8.26
7/28/2018 6:15 AM	8.03	7/29/2018 6:15 AM	8.17	7/30/2018 6:15 AM	8.26
7/28/2018 6:30 AM	8.03	7/29/2018 6:30 AM	8.19	7/30/2018 6:30 AM	8.26
7/28/2018 6:45 AM	8.04	7/29/2018 6:45 AM	8.19	7/30/2018 6:45 AM	8.26
7/28/2018 7:00 AM	8.05	7/29/2018 7:00 AM	8.20	7/30/2018 7:00 AM	8.27
7/28/2018 7:15 AM	8.07	7/29/2018 7:15 AM	8.20	7/30/2018 7:15 AM	8.27
7/28/2018 7:30 AM	8.08	7/29/2018 7:30 AM	8.13	7/30/2018 7:30 AM	8.26
7/28/2018 7:45 AM	8.08	7/29/2018 7:45 AM	8.13	7/30/2018 7:45 AM	8.25
7/28/2018 8:00 AM	8.06	7/29/2018 8:00 AM	8.13	7/30/2018 8:00 AM	8.25
7/28/2018 8:15 AM	8.05	7/29/2018 8:15 AM	8.13	7/30/2018 8:15 AM	8.26
7/28/2018 8:30 AM	8.04	7/29/2018 8:30 AM	8.14	7/30/2018 8:30 AM	8.27
7/28/2018 8:45 AM	8.03	7/29/2018 8:45 AM	8.14	7/30/2018 8:45 AM	8.29
7/28/2018 9:00 AM	8.00	7/29/2018 9:00 AM	8.14	7/30/2018 9:00 AM	8.30
7/28/2018 9:15 AM	7.97	7/29/2018 9:15 AM	8.10	7/30/2018 9:15 AM	8.30
7/28/2018 9:30 AM	7.95	7/29/2018 9:30 AM	8.10	7/30/2018 9:30 AM	8.30
7/28/2018 9:45 AM	7.95	7/29/2018 9:45 AM	8.08	7/30/2018 9:45 AM	8.30
7/28/2018 10:00 AM	7.96	7/29/2018 10:00 AM	8.08	7/30/2018 10:00 AM	8.30
7/28/2018 10:15 AM	7.98	7/29/2018 10:15 AM	8.11	7/30/2018 10:15 AM	8.31
7/28/2018 10:30 AM	7.99	7/29/2018 10:30 AM	8.11	7/30/2018 10:30 AM	8.30
7/28/2018 10:45 AM	7.93	7/29/2018 10:45 AM	8.13	7/30/2018 10:45 AM	8.30
7/28/2018 11:00 AM	7.93	7/29/2018 11:00 AM	8.13	7/30/2018 11:00 AM	8.30
7/28/2018 11:15 AM	7.93	7/29/2018 11:15 AM	8.14	7/30/2018 11:15 AM	8.30
7/28/2018 11:30 AM	7.97	7/29/2018 11:30 AM	8.13	7/30/2018 11:30 AM	8.32
7/28/2018 11:45 AM	8.00	7/29/2018 11:45 AM	8.13	7/30/2018 11:45 AM	8.31
7/28/2018 12:00 PM	8.03	7/29/2018 12:00 PM	8.13	7/30/2018 12:00 PM	8.31
7/28/2018 12:15 PM	8.04	7/29/2018 12:15 PM	8.11	7/30/2018 12:15 PM	8.32
7/28/2018 12:30 PM	8.05	7/29/2018 12:30 PM	8.11	7/30/2018 12:30 PM	8.30
7/28/2018 12:45 PM	8.06	7/29/2018 12:45 PM	8.11	7/30/2018 12:45 PM	8.30
7/28/2018 1:00 PM	8.06	7/29/2018 1:00 PM	8.10	7/30/2018 1:00 PM	8.31
7/28/2018 1:15 PM	8.05	7/29/2018 1:15 PM	8.10	7/30/2018 1:15 PM	8.31
7/28/2018 1:30 PM	8.04	7/29/2018 1:30 PM	8.07	7/30/2018 1:30 PM	8.32
7/28/2018 1:45 PM	8.06	7/29/2018 1:45 PM	8.06	7/30/2018 1:45 PM	8.32
7/28/2018 2:00 PM	8.05	7/29/2018 2:00 PM	8.07	7/30/2018 2:00 PM	8.31
7/28/2018 2:15 PM	8.05	7/29/2018 2:15 PM	8.11	7/30/2018 2:15 PM	8.32
7/28/2018 2:30 PM	8.05	7/29/2018 2:30 PM	8.15	7/30/2018 2:30 PM	8.34
7/28/2018 2:45 PM	8.05	7/29/2018 2:45 PM	8.17	7/30/2018 2:45 PM	8.36
7/28/2018 3:00 PM	8.07	7/29/2018 3:00 PM	8.18	7/30/2018 3:00 PM	8.32
7/28/2018 3:15 PM	8.06	7/29/2018 3:15 PM	8.18	7/30/2018 3:15 PM	8.32
7/28/2018 3:30 PM	8.07	7/29/2018 3:30 PM	8.19	7/30/2018 3:30 PM	8.32
7/28/2018 3:45 PM	8.03	7/29/2018 3:45 PM	8.19	7/30/2018 3:45 PM	8.33
7/28/2018 4:00 PM	8.02	7/29/2018 4:00 PM	8.19	7/30/2018 4:00 PM	8.35
7/28/2018 4:15 PM	8.02	7/29/2018 4:15 PM	8.19	7/30/2018 4:15 PM	8.36
7/28/2018 4:30 PM	8.02	7/29/2018 4:30 PM	8.19	7/30/2018 4:30 PM	8.36
7/28/2018 4:45 PM	8.03	7/29/2018 4:45 PM	8.18	7/30/2018 4:45 PM	8.35
7/28/2018 5:00 PM	8.04	7/29/2018 5:00 PM	8.19	7/30/2018 5:00 PM	8.31
7/28/2018 5:15 PM	8.05	7/29/2018 5:15 PM	8.20	7/30/2018 5:15 PM	8.32
7/28/2018 5:30 PM	8.06	7/29/2018 5:30 PM	8.21	7/30/2018 5:30 PM	8.33
7/28/2018 5:45 PM	8.08	7/29/2018 5:45 PM	8.21	7/30/2018 5:45 PM	8.34
7/28/2018 6:00 PM	8.07	7/29/2018 6:00 PM	8.20	7/30/2018 6:00 PM	8.35
7/28/2018 6:15 PM	8.06	7/29/2018 6:15 PM	8.21	7/30/2018 6:15 PM	8.36
7/28/2018 6:30 PM	8.06	7/29/2018 6:30 PM	8.15	7/30/2018 6:30 PM	8.37
7/28/2018 6:45 PM	8.08	7/29/2018 6:45 PM	8.15	7/30/2018 6:45 PM	8.38
7/28/2018 7:00 PM	8.09	7/29/2018 7:00 PM	8.15	7/30/2018 7:00 PM	8.39
7/28/2018 7:15 PM	8.10	7/29/2018 7:15 PM	8.15	7/30/2018 7:15 PM	8.40
7/28/2018 7:30 PM	8.10	7/29/2018 7:30 PM	8.17	7/30/2018 7:30 PM	8.36
7/28/2018 7:45 PM	8.04	7/29/2018 7:45 PM	8.19	7/30/2018 7:45 PM	8.35
7/28/2018 8:00 PM	8.04	7/29/2018 8:00 PM	8.21	7/30/2018 8:00 PM	8.35
7/28/2018 8:15 PM	8.05	7/29/2018 8:15 PM	8.22	7/30/2018 8:15 PM	8.35
7/28/2018 8:30 PM	8.06	7/29/2018 8:30 PM	8.23	7/30/2018 8:30 PM	8.37
7/28/2018 8:45 PM	8.07	7/29/2018 8:45 PM	8.24	7/30/2018 8:45 PM	8.37
7/28/2018 9:00 PM	8.09	7/29/2018 9:00 PM	8.21	7/30/2018 9:00 PM	8.38
7/28/2018 9:15 PM	8.10	7/29/2018 9:15 PM	8.21	7/30/2018 9:15 PM	8.34
7/28/2018 9:30 PM	8.11	7/29/2018 9:30 PM	8.21	7/30/2018 9:30 PM	8.34
7/28/2018 9:45 PM	8.12	7/29/2018 9:45 PM	8.21	7/30/2018 9:45 PM	8.35
7/28/2018 10:00 PM	8.13	7/29/2018 10:00 PM	8.23	7/30/2018 10:00 PM	8.37
7/28/2018 10:15 PM	8.13	7/29/2018 10:15 PM	8.23	7/30/2018 10:15 PM	8.38
7/28/2018 10:30 PM	8.09	7/29/2018 10:30 PM	8.24	7/30/2018 10:30 PM	8.40
7/28/2018 10:45 PM	8.09	7/29/2018 10:45 PM	8.23	7/30/2018 10:45 PM	8.41
7/28/2018 11:00 PM	8.09	7/29/2018 11:00 PM	8.19	7/30/2018 11:00 PM	8.42
7/28/2018 11:15 PM	8.11	7/29/2018 11:15 PM	8.20	7/30/2018 11:15 PM	8.43
7/28/2018 11:30 PM	8.12	7/29/2018 11:30 PM	8.21	7/30/2018 11:30 PM	8.43
7/28/2018 11:45 PM	8.12	7/29/2018 11:45 PM	8.21	7/30/2018 11:45 PM	8.43

AVG 8.05 AVG 8.15 AVG 8.31

Date And Time	pH	MIN	MAX
7/31/2018 12:00 AM	8.38		
7/31/2018 12:15 AM	8.38		
7/31/2018 12:30 AM	8.38		
7/31/2018 12:45 AM	8.39		

7/31/2018 1:00 AM	8.39
7/31/2018 1:15 AM	8.40
7/31/2018 1:30 AM	8.42
7/31/2018 1:45 AM	8.41
7/31/2018 2:00 AM	8.37
7/31/2018 2:15 AM	8.38
7/31/2018 2:30 AM	8.39
7/31/2018 2:45 AM	8.40
7/31/2018 3:00 AM	8.42
7/31/2018 3:15 AM	8.44
7/31/2018 3:30 AM	8.45
7/31/2018 3:45 AM	8.46
7/31/2018 4:00 AM	8.46
7/31/2018 4:15 AM	8.47
7/31/2018 4:30 AM	8.42
7/31/2018 4:45 AM	8.42
7/31/2018 5:00 AM	8.42
7/31/2018 5:15 AM	8.42
7/31/2018 5:30 AM	8.43
7/31/2018 5:45 AM	8.44
7/31/2018 6:00 AM	8.44
7/31/2018 6:15 AM	8.44
7/31/2018 6:30 AM	8.41
7/31/2018 6:45 AM	8.41
7/31/2018 7:00 AM	8.42
7/31/2018 7:15 AM	8.44
7/31/2018 7:30 AM	8.46
7/31/2018 7:45 AM	8.47
7/31/2018 8:00 AM	8.48
7/31/2018 8:15 AM	8.48
7/31/2018 8:30 AM	8.48
7/31/2018 8:45 AM	8.48
7/31/2018 9:00 AM	8.45
7/31/2018 9:15 AM	8.45
7/31/2018 9:30 AM	8.45
7/31/2018 9:45 AM	8.45
7/31/2018 10:00 AM	8.45
7/31/2018 10:15 AM	8.46
7/31/2018 10:30 AM	8.48
7/31/2018 10:45 AM	8.42
7/31/2018 11:00 AM	8.41
7/31/2018 11:15 AM	8.42
7/31/2018 11:30 AM	8.03
7/31/2018 11:45 AM	7.97
7/31/2018 12:00 PM	7.97
7/31/2018 12:15 PM	7.98
7/31/2018 12:30 PM	7.99
7/31/2018 12:45 PM	7.99
7/31/2018 1:00 PM	7.98
7/31/2018 1:15 PM	7.99
7/31/2018 1:30 PM	8.00
7/31/2018 1:45 PM	8.01
7/31/2018 2:00 PM	8.02
7/31/2018 2:15 PM	8.01
7/31/2018 2:30 PM	8.01
7/31/2018 2:45 PM	8.05
7/31/2018 3:00 PM	8.04
7/31/2018 3:15 PM	8.04
7/31/2018 3:30 PM	8.04
7/31/2018 3:45 PM	8.04
7/31/2018 4:00 PM	8.04
7/31/2018 4:15 PM	8.04
7/31/2018 4:30 PM	8.04
7/31/2018 4:45 PM	8.04
7/31/2018 5:00 PM	8.04
7/31/2018 5:15 PM	8.04
7/31/2018 5:30 PM	8.04
7/31/2018 5:45 PM	8.03
7/31/2018 6:00 PM	7.95
7/31/2018 6:15 PM	7.93
7/31/2018 6:30 PM	7.93
7/31/2018 6:45 PM	7.94
7/31/2018 7:00 PM	7.96
7/31/2018 7:15 PM	7.96
7/31/2018 7:30 PM	7.96
7/31/2018 7:45 PM	7.96
7/31/2018 8:00 PM	7.91
7/31/2018 8:15 PM	7.91
7/31/2018 8:30 PM	7.91
7/31/2018 8:45 PM	7.91
7/31/2018 9:00 PM	7.92
7/31/2018 9:15 PM	7.93
7/31/2018 9:30 PM	7.94
7/31/2018 9:45 PM	7.95
7/31/2018 10:00 PM	7.96
7/31/2018 10:15 PM	7.97
7/31/2018 10:30 PM	7.94
7/31/2018 10:45 PM	7.94
7/31/2018 11:00 PM	7.94
7/31/2018 11:15 PM	7.95
7/31/2018 11:30 PM	7.96
7/31/2018 11:45 PM	7.98

AVG 8.20

Avtex Fibers
Front Royal, VA
Outfall 004
July 2018 DMR

<u>Sample Date</u>	<u>Sample ID</u>	<u>BOD, mg/L</u>	<u>BOD, kg/d</u>	<u>TSS, mg/L</u>	<u>TSS, kg/d</u>
7/5/2018	AF7-5FE	0.0	0.0	0.0	0.0
7/10/2018	AF7-10FE	0.0	0.0	0.0	0.0
7/17/2018	AF7-17FE	0.0	0.0	0.0	0.0
7/26/2018	AF7-26FE	0.0	0.0	0.0	0.0
7/31/2018	AF7-31FE	0.0	0.0	0.0	0.0
Daily Maximum:		0.0	0.0	0.0	0.0
Monthly Avg:		0.0	0.0	0.0	0.0

Monthly Average – Compliance with the monthly average limitations and/or reporting requirements for the parameters listed in Part I.C.1 shall be determined as follows: All concentration data below the QL used for the analysis shall be treated as zero. All concentration data equal to or above the QL used for the analysis shall be treated as it is reported. An arithmetic average shall be calculated using all reported data for the month, including the defined zeros. This arithmetic average shall be reported on the Discharge Monitoring Report (DMR) as calculated. If all data are below the QL used for the analysis, then the average shall be reported as "<QL". If reporting for quantity is required on the DMR and the reported monthly average concentration is <QL, then report "<QL" for the quantity. Otherwise use the reported concentration data (including the defined zeros) and flow data for each sample day to determine the daily quantity and report the monthly average of the calculated daily quantities.

Daily Maximum – Compliance with the daily maximum limitations and/or reporting requirements for the parameters listed in Part I.C.1 shall be determined as follows: All concentration data below the QL used for the analysis shall be treated as zero. All concentration data equal to or above the QL used for the analysis shall be treated as reported. An arithmetic average shall be calculated using all reported data, including the defined zeros, collected within each day during the reporting month. The maximum value of these daily averages thus determined shall be reported on the DMR as the Daily Maximum. If all data are below the QL used for the analysis, then the maximum value of the daily averages shall be reported as "<QL". If reporting for quantity is required on the DMR and the reported daily maximum concentration is <QL, then report "<QL" for the quantity. Otherwise use the reported daily average concentrations (including the defined zeros) and corresponding daily flows to determine daily average quantities and report the maximum of the daily average quantities during the reporting month.

Loading Derivation
If 1 ppm (= 1 mg/L) and 1 MGD (= 1 MG/day)
--> (1 mg/L)(1 MG/day)(3.785 L/Gal)(10^6 Gal/MG)(1 lb/453,600 mg) = 8.34 lbs/day
--> Ibs/day = ppm * 8.34 * MGD
--> kg/d = ppm * 8.34 * MGD * 0.4536*lb/d

Concentration Derivation
If 1 lb/d and 1 MGD (= 1 MG/day)
[[(1 lbs/day)(453,600 mg/lb)] / [(1 MG/d)(10^6 Gal/MG)(3.785 L/Gal)]
--> ppm = lb/d * (1/8.34) * (1/MGD)

BOD

7/5/2018	0
7/10/2018	0
7/17/2018	0
7/26/2018	0
7/31/2018	0

AVG

0

TSS

7/5/2018	0
7/10/2018	0
7/17/2018	0
7/26/2018	0
7/31/2018	0

AVG

0

CS2*

7/10/2018	0.000	ug/L
7/10/2018	0.0000	mg/L
7/10/2018	0.0000	kg/d

*Note: CS2 EPA Test Method: 8260 MSV Low Level Analytical Method (EPA 8260)

Report Limit 2 ug/L
MDL 1.2 ug/L



FMC Corporation
2929 Walnut Street
Philadelphia, PA 19104
USA

Transmitted via Email

215.299.6000
fmc.com

September 9, 2018

Department of Environmental Quality - CO
Office of Remediation Program
P.O. Box 1105
Richmond, VA 23218

Re: Submission of Discharge Monitoring Report – August 2018
Avtex Fibers Superfund Site
Front Royal, Virginia

Dear Ms. Payne:

In accordance with the Applicable or Relevant and Appropriate Requirements (ARARs) and Fact Sheet provided July 22, 2014, FMC Corporation (FMC) is submitting the Discharge Monitoring Report (DMR) for the month of August 2018. The permit is for the discharge from the Groundwater and Leachate Treatment Plant (GLTP) located at 404 Kendrick Lane, Front Royal, VA. Analysis of effluent concentrations yielded results within the allowable limits for all parameters.

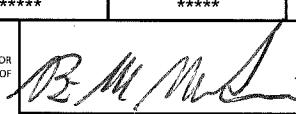
Please do not hesitate to call if there are any questions.

Sincerely,
FMC Corporation

Brian M. McGinnis, P.E.
Manager, Environmental Remediation

cc: via Email
Brandon Kiracofe, DEQ
Jeffrey Thomas, USEPA
Heather Philip, Parsons

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS: (Include Facility Name/Location if different)												OMB No. 2040-004					
NAME:	Avtex Fibers			NA			004			DMR MAILING ZIP CODE:			23218				
ADDRESS:	404 Kendrick Lane			PERMIT NUMBER			DISCHARGE NUMBER			DESCRIPTION:							
Front Royal, VA 22630			MONITORING PERIOD									GLTP EFFLUENT (OUTFALL 004)					
FACILITY:	AVTEX FIBERS			YEAR	MO	DAY	YEAR	MO	DAY	External Outfall							
LOCATION:	FRONT ROYAL, VA			FROM	18	08	01	TO	18	08	31	No Discharge					
ATTN:																	
PARAMETER				QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE					
				VALUE	VALUE	UNITS	VALUE	VALUE	VALUE				UNITS				
FLOW	SAMPLE MEASUREMENT		0.084	0.093	MGD	*****	*****	*****		0	CONTINUOUS	TIRE					
00056 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	REPORT MONTHLY AV	REPORT DAILY MAX			*****	*****	*****				CONTINUOUS	TIRE				
PH	SAMPLE MEASUREMENT	*****	*****		7.9	*****	8.3	SU	0	CONTINUOUS	GRAB						
00400 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	*****	*****		6.5	MINIMUM	*****		9.0			CONTINUOUS	GRAB				
BOD, 5-DAY	SAMPLE MEASUREMENT	<QL	<QL	kg/d	*****	<QL	<QL	mg/L	0	1/7	8 HC						
00318 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	36 MONTHLY AV	96 DAILY MAX		*****	24 MONTHLY AV	64 DAILY MX				1/7	8 HC					
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	0.3	0.7	kg/d	*****	0.8	2.1	mg/L	0	1/7	8 HC						
03603 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	60 MONTHLY AV	190 DAILY MAX		*****	40 MONTHLY AV	130 DAILY MX				1/7	8 HC					
CARBON DISULFIDE	SAMPLE MEASUREMENT	<QL	<QL	kg/d	*****	<QL	<QL	mg/L	0	1/30	8 HC						
77041 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	NL MONTHLY AV	NL DAILY MAX		*****	NL MONTHLY AV	NL DAILY MX				1/30	8 HC					
WHOLE EFFLUENT TOXICITY - <i>Ceriodaphnia dubia</i>	SAMPLE MEASUREMENT	*****	*****	TUa	*****	*****	*****	TUa			8 HC						
22414 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	*****	*****		*****	*****	*****		*****		1/90	8 HC					
WHOLE EFFLUENT TOXICITY - <i>Pimephales promelas</i>	SAMPLE MEASUREMENT	*****	*****	TUa	*****	*****	*****	TUa			8 HC						
22414 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	*****	*****		*****	*****	*****		*****		1/90	8 HC					
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.						TELEPHONE			DATE					
Brian McGinnis												215 299-6047			18 09 07		
Manager, Environmental Remediation																	
TYPED OR PRINTED									SIGNATURE OF PRINCIPAL EXECUTIVE			OFFICER OR AUTHORIZED AGENT					
COMMENT AND EXPLANATION OF ANY VIOLATIONS			(Reference all attachments here)						AREA			NUMBER					
Attachment: pH compliance monitoring summary (monthly)									YEAR			MO					
Carbon disulfide: No limit established; monitored monthly; 0.1 mg/L action level																	
EPA Form 3320-1 (Rev 01/06) Previous editions may be used.												PAGE					
									1 OF 10								

Avtex Fibers
Front Royal, VA
Outfall 004
August 2018 DMR

pH Calculations:

Date And Time	pH	Date And Time	pH	Date And Time	pH
8/1/2018 12:00 AM	7.98	8/2/2018 12:00 AM	8.15	8/3/2018 12:00 AM	8.17
8/1/2018 12:15 AM	7.99	8/2/2018 12:15 AM	8.16	8/3/2018 12:15 AM	8.16
8/1/2018 12:30 AM	7.98	8/2/2018 12:30 AM	8.17	8/3/2018 12:30 AM	8.15
8/1/2018 12:45 AM	7.95	8/2/2018 12:45 AM	8.20	8/3/2018 12:45 AM	8.15
8/1/2018 1:00 AM	7.95	8/2/2018 1:00 AM	8.20	8/3/2018 1:00 AM	8.13
8/1/2018 1:15 AM	7.96	8/2/2018 1:15 AM	8.20	8/3/2018 1:15 AM	8.15
8/1/2018 1:30 AM	7.98	8/2/2018 1:30 AM	8.14	8/3/2018 1:30 AM	8.15
8/1/2018 1:45 AM	7.98	8/2/2018 1:45 AM	8.14	8/3/2018 1:45 AM	8.16
8/1/2018 2:00 AM	7.96	8/2/2018 2:00 AM	8.13	8/3/2018 2:00 AM	8.18
8/1/2018 2:15 AM	7.97	8/2/2018 2:15 AM	8.13	8/3/2018 2:15 AM	8.19
8/1/2018 2:30 AM	7.98	8/2/2018 2:30 AM	8.14	8/3/2018 2:30 AM	8.21
8/1/2018 2:45 AM	8.00	8/2/2018 2:45 AM	8.14	8/3/2018 2:45 AM	8.22
8/1/2018 3:00 AM	7.98	8/2/2018 3:00 AM	8.14	8/3/2018 3:00 AM	8.22
8/1/2018 3:15 AM	7.99	8/2/2018 3:15 AM	8.12	8/3/2018 3:15 AM	8.23
8/1/2018 3:30 AM	7.98	8/2/2018 3:30 AM	8.13	8/3/2018 3:30 AM	8.23
8/1/2018 3:45 AM	7.99	8/2/2018 3:45 AM	8.14	8/3/2018 3:45 AM	8.23
8/1/2018 4:00 AM	8.00	8/2/2018 4:00 AM	8.15	8/3/2018 4:00 AM	8.24
8/1/2018 4:15 AM	8.01	8/2/2018 4:15 AM	8.17	8/3/2018 4:15 AM	8.23
8/1/2018 4:30 AM	8.02	8/2/2018 4:30 AM	8.19	8/3/2018 4:30 AM	8.23
8/1/2018 4:45 AM	8.02	8/2/2018 4:45 AM	8.20	8/3/2018 4:45 AM	8.23
8/1/2018 5:00 AM	8.03	8/2/2018 5:00 AM	8.21	8/3/2018 5:00 AM	8.24
8/1/2018 5:15 AM	8.01	8/2/2018 5:15 AM	8.21	8/3/2018 5:15 AM	8.18
8/1/2018 5:30 AM	8.03	8/2/2018 5:30 AM	8.21	8/3/2018 5:30 AM	8.17
8/1/2018 5:45 AM	8.04	8/2/2018 5:45 AM	8.22	8/3/2018 5:45 AM	8.17
8/1/2018 6:00 AM	8.05	8/2/2018 6:00 AM	8.16	8/3/2018 6:00 AM	8.17
8/1/2018 6:15 AM	8.08	8/2/2018 6:15 AM	8.15	8/3/2018 6:15 AM	8.18
8/1/2018 6:30 AM	8.10	8/2/2018 6:30 AM	8.14	8/3/2018 6:30 AM	8.15
8/1/2018 6:45 AM	8.12	8/2/2018 6:45 AM	8.14	8/3/2018 6:45 AM	8.15
8/1/2018 7:00 AM	8.12	8/2/2018 7:00 AM	8.15	8/3/2018 7:00 AM	8.16
8/1/2018 7:15 AM	8.12	8/2/2018 7:15 AM	8.15	8/3/2018 7:15 AM	8.16
8/1/2018 7:30 AM	8.12	8/2/2018 7:30 AM	8.15	8/3/2018 7:30 AM	8.17
8/1/2018 7:45 AM	8.11	8/2/2018 7:45 AM	8.12	8/3/2018 7:45 AM	8.18
8/1/2018 8:00 AM	8.09	8/2/2018 8:00 AM	8.13	8/3/2018 8:00 AM	8.20
8/1/2018 8:15 AM	8.08	8/2/2018 8:15 AM	8.13	8/3/2018 8:15 AM	8.21
8/1/2018 8:30 AM	8.07	8/2/2018 8:30 AM	8.13	8/3/2018 8:30 AM	8.21
8/1/2018 8:45 AM	8.04	8/2/2018 8:45 AM	8.14	8/3/2018 8:45 AM	8.21
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8/1/2018 10:00 AM	8.01	8/2/2018 10:00 AM	8.19	8/3/2018 10:00 AM	8.15
8/1/2018 10:15 AM	8.02	8/2/2018 10:15 AM	8.20	8/3/2018 10:15 AM	8.15
8/1/2018 10:30 AM	8.05	8/2/2018 10:30 AM	8.16	8/3/2018 10:30 AM	8.15
8/1/2018 10:45 AM	8.03	8/2/2018 10:45 AM	8.15	8/3/2018 10:45 AM	8.14
8/1/2018 11:00 AM	7.99	8/2/2018 11:00 AM	8.14	8/3/2018 11:00 AM	8.11
8/1/2018 11:15 AM	7.98	8/2/2018 11:15 AM	8.14	8/3/2018 11:15 AM	8.11
8/1/2018 11:30 AM	8.01	8/2/2018 11:30 AM	8.15	8/3/2018 11:30 AM	8.11
8/1/2018 11:45 AM	8.01	8/2/2018 11:45 AM	8.16	8/3/2018 11:45 AM	8.12
8/1/2018 12:00 PM	7.95	8/2/2018 12:00 PM	8.16	8/3/2018 12:00 PM	8.16
8/1/2018 12:15 PM	7.94	8/2/2018 12:15 PM	8.16	8/3/2018 12:15 PM	8.16
8/1/2018 12:30 PM	7.92	8/2/2018 12:30 PM	8.13	8/3/2018 12:30 PM	8.17
8/1/2018 12:45 PM	7.93	8/2/2018 12:45 PM	8.14	8/3/2018 12:45 PM	8.17
8/1/2018 1:00 PM	7.94	8/2/2018 1:00 PM	8.14	8/3/2018 1:00 PM	8.18
8/1/2018 1:15 PM	7.94	8/2/2018 1:15 PM	8.15	8/3/2018 1:15 PM	8.17
8/1/2018 1:30 PM	7.93	8/2/2018 1:30 PM	8.17	8/3/2018 1:30 PM	8.18
8/1/2018 1:45 PM	7.90	8/2/2018 1:45 PM	8.19	8/3/2018 1:45 PM	8.20
8/1/2018 2:00 PM	7.92	8/2/2018 2:00 PM	8.19	8/3/2018 2:00 PM	8.20
8/1/2018 2:15 PM	7.96	8/2/2018 2:15 PM	8.19	8/3/2018 2:15 PM	8.19
8/1/2018 2:30 PM	8.01	8/2/2018 2:30 PM	8.19	8/3/2018 2:30 PM	8.17
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8/1/2018 5:15 PM	8.10	8/2/2018 5:15 PM	8.09	8/3/2018 5:15 PM	8.18
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8/1/2018 6:15 PM	8.11	8/2/2018 6:15 PM	8.18	8/3/2018 6:15 PM	8.19
8/1/2018 6:30 PM	8.07	8/2/2018 6:30 PM	8.19	8/3/2018 6:30 PM	8.19
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8/1/2018 7:00 PM	8.07	8/2/2018 7:00 PM	8.20	8/3/2018 7:00 PM	8.20
8/1/2018 7:15 PM	8.08	8/2/2018 7:15 PM	8.21	8/3/2018 7:15 PM	8.22
8/1/2018 7:30 PM	8.11	8/2/2018 7:30 PM	8.17	8/3/2018 7:30 PM	8.22
8/1/2018 7:45 PM	8.14	8/2/2018 7:45 PM	8.17	8/3/2018 7:45 PM	8.22
8/1/2018 8:00 PM	8.16	8/2/2018 8:00 PM	8.16	8/3/2018 8:00 PM	8.17
8/1/2018 8:15 PM	8.17	8/2/2018 8:15 PM	8.17	8/3/2018 8:15 PM	8.17
8/1/2018 8:30 PM	8.17	8/2/2018 8:30 PM	8.17	8/3/2018 8:30 PM	8.17
8/1/2018 8:45 PM	8.18	8/2/2018 8:45 PM	8.17	8/3/2018 8:45 PM	8.18
8/1/2018 9:00 PM	8.13	8/2/2018 9:00 PM	8.17	8/3/2018 9:00 PM	8.18
8/1/2018 9:15 PM	8.13	8/2/2018 9:15 PM	8.17	8/3/2018 9:15 PM	8.18
8/1/2018 9:30 PM	8.12	8/2/2018 9:30 PM	8.15	8/3/2018 9:30 PM	8.19
8/1/2018 9:45 PM	8.13	8/2/2018 9:45 PM	8.15	8/3/2018 9:45 PM	8.19
8/1/2018 10:00 PM	8.14	8/2/2018 10:00 PM	8.16	8/3/2018 10:00 PM	8.20
8/1/2018 10:15 PM	8.15	8/2/2018 10:15 PM	8.17	8/3/2018 10:15 PM	8.21
8/1/2018 10:30 PM	8.15	8/2/2018 10:30 PM	8.19	8/3/2018 10:30 PM	8.16
8/1/2018 10:45 PM	8.14	8/2/2018 10:45 PM	8.20	8/3/2018 10:45 PM	8.17
8/1/2018 11:00 PM	8.12	8/2/2018 11:00 PM	8.21	8/3/2018 11:00 PM	8.17
8/1/2018 11:15 PM	8.12	8/2/2018 11:15 PM	8.22	8/3/2018 11:15 PM	8.18
8/1/2018 11:30 PM	8.13	8/2/2018 11:30 PM	8.23	8/3/2018 11:30 PM	8.19
8/1/2018 11:45 PM	8.14	8/2/2018 11:45 PM	8.23	8/3/2018 11:45 PM	8.20

AVG 8.05 AVG 8.16 AVG 8.18

Date And Time	pH	Date And Time	pH	Date And Time	pH
8/4/2018 12:00 AM	8.19	8/5/2018 12:00 AM	8.24	8/6/2018 12:00 AM	8.16
8/4/2018 12:15 AM	8.15	8/5/2018 12:15 AM	8.24	8/6/2018 12:15 AM	8.15
8/4/2018 12:30 AM	8.16	8/5/2018 12:30 AM	8.23	8/6/2018 12:30 AM	8.15
8/4/2018 12:45 AM	8.17	8/5/2018 12:45 AM	8.23	8/6/2018 12:45 AM	8.16
8/4/2018 1:00 AM	8.17	8/5/2018 1:00 AM	8.25	8/6/2018 1:00 AM	8.17
8/4/2018 1:15 AM	8.18	8/5/2018 1:15 AM	8.25	8/6/2018 1:15 AM	8.17
8/4/2018 1:30 AM	8.19	8/5/2018 1:30 AM	8.25	8/6/2018 1:30 AM	8.17
8/4/2018 1:45 AM	8.21	8/5/2018 1:45 AM	8.24	8/6/2018 1:45 AM	8.14
8/4/2018 2:00 AM	8.22	8/5/2018 2:00 AM	8.24	8/6/2018 2:00 AM	8.15
8/4/2018 2:15 AM	8.23	8/5/2018 2:15 AM	8.24	8/6/2018 2:15 AM	8.16
8/4/2018 2:30 AM	8.24	8/5/2018 2:30 AM	8.23	8/6/2018 2:30 AM	8.16
8/4/2018 2:45 AM	8.24	8/5/2018 2:45 AM	8.23	8/6/2018 2:45 AM	8.17
8/4/2018 3:00 AM	8.18	8/5/2018 3:00 AM	8.23	8/6/2018 3:00 AM	8.19
8/4/2018 3:15 AM	8.17	8/5/2018 3:15 AM	8.22	8/6/2018 3:15 AM	8.20
8/4/2018 3:30 AM	8.17	8/5/2018 3:30 AM	8.22	8/6/2018 3:30 AM	8.21
8/4/2018 3:45 AM	8.17	8/5/2018 3:45 AM	8.22	8/6/2018 3:45 AM	8.22
8/4/2018 4:00 AM	8.18	8/5/2018 4:00 AM	8.18	8/6/2018 4:00 AM	8.23
8/4/2018 4:15 AM	8.18	8/5/2018 4:15 AM	8.19	8/6/2018 4:15 AM	8.23
8/4/2018 4:30 AM	8.19	8/5/2018 4:30 AM	8.19	8/6/2018 4:30 AM	8.23
8/4/2018 4:45 AM	8.18	8/5/2018 4:45 AM	8.20	8/6/2018 4:45 AM	8.24
8/4/2018 5:00 AM	8.16	8/5/2018 5:00 AM	8.21	8/6/2018 5:00 AM	8.24
8/4/2018 5:15 AM	8.17	8/5/2018 5:15 AM	8.22	8/6/2018 5:15 AM	8.24
8/4/2018 5:30 AM	8.18	8/5/2018 5:30 AM	8.23	8/6/2018 5:30 AM	8.19
8/4/2018 5:45 AM	8.18	8/5/2018 5:45 AM	8.24	8/6/2018 5:45 AM	8.18
8/4/2018 6:00 AM	8.20	8/5/2018 6:00 AM	8.25	8/6/2018 6:00 AM	8.18
8/4/2018 6:15 AM	8.22	8/5/2018 6:15 AM	8.26	8/6/2018 6:15 AM	8.18
8/4/2018 6:30 AM	8.23	8/5/2018 6:30 AM	8.26	8/6/2018 6:30 AM	8.16
8/4/2018 6:45 AM	8.24	8/5/2018 6:45 AM	8.27	8/6/2018 6:45 AM	8.16
8/4/2018 7:00 AM	8.25	8/5/2018 7:00 AM	8.26	8/6/2018 7:00 AM	8.16
8/4/2018 7:15 AM	8.25	8/5/2018 7:15 AM	8.26	8/6/2018 7:15 AM	8.17
8/4/2018 7:30 AM	8.18	8/5/2018 7:30 AM	8.25	8/6/2018 7:30 AM	8.16
8/4/2018 7:45 AM	8.17	8/5/2018 7:45 AM	8.23	8/6/2018 7:45 AM	8.16
8/4/2018 8:00 AM	8.16	8/5/2018 8:00 AM	8.20	8/6/2018 8:00 AM	8.16
8/4/2018 8:15 AM	8.16	8/5/2018 8:15 AM	8.17	8/6/2018 8:15 AM	8.16
8/4/2018 8:30 AM	8.15	8/5/2018 8:30 AM	8.14	8/6/2018 8:30 AM	8.15
8/4/2018 8:45 AM	8.14	8/5/2018 8:45 AM	8.12	8/6/2018 8:45 AM	8.14
8/4/2018 9:00 AM	8.12	8/5/2018 9:00 AM	8.10	8/6/2018 9:00 AM	8.06
8/4/2018 9:15 AM	8.09	8/5/2018 9:15 AM	8.09	8/6/2018 9:15 AM	8.03
8/4/2018 9:30 AM	8.04	8/5/2018 9:30 AM	8.09	8/6/2018 9:30 AM	8.02
8/4/2018 9:45 AM	8.02	8/5/2018 9:45 AM	8.07	8/6/2018 9:45 AM	8.02
8/4/2018 10:00 AM	8.03	8/5/2018 10:00 AM	8.04	8/6/2018 10:00 AM	8.03
8/4/2018 10:15 AM	8.04	8/5/2018 10:15 AM	8.00	8/6/2018 10:15 AM	8.03
8/4/2018 10:30 AM	8.05	8/5/2018 10:30 AM	7.98	8/6/2018 10:30 AM	7.98
8/4/2018 10:45 AM	8.03	8/5/2018 10:45 AM	7.92	8/6/2018 10:45 AM	7.92
8/4/2018 11:00 AM	8.03	8/5/2018 11:00 AM	7.86	8/6/2018 11:00 AM	7.90
8/4/2018 11:15 AM	8.05	8/5/2018 11:15 AM	7.85	8/6/2018 11:15 AM	7.93
8/4/2018 11:30 AM	8.09	8/5/2018 11:30 AM	7.92	8/6/2018 11:30 AM	7.98
8/4/2018 11:45 AM	8.11	8/5/2018 11:45 AM	7.97	8/6/2018 11:45 AM	8.01
8/4/2018 12:00 PM	8.00	8/5/2018 12:00 PM	7.98	8/6/2018 12:00 PM	8.04
8/4/2018 12:15 PM	8.02	8/5/2018 12:15 PM	8.00	8/6/2018 12:15 PM	8.06
8/4/2018 12:30 PM	7.98	8/5/2018 12:30 PM	8.02	8/6/2018 12:30 PM	8.07
8/4/2018 12:45 PM	8.00	8/5/2018 12:45 PM	8.03	8/6/2018 12:45 PM	8.07
8/4/2018 1:00 PM	8.00	8/5/2018 1:00 PM	8.04	8/6/2018 1:00 PM	8.06
8/4/2018 1:15 PM	8.00	8/5/2018 1:15 PM	8.10	8/6/2018 1:15 PM	8.07
8/4/2018 1:30 PM	7.95	8/5/2018 1:30 PM	8.09	8/6/2018 1:30 PM	8.02
8/4/2018 1:45 PM	7.94	8/5/2018 1:45 PM	8.09	8/6/2018 1:45 PM	7.97
8/4/2018 2:00 PM	8.00	8/5/2018 2:00 PM	8.10	8/6/2018 2:00 PM	8.00
8/4/2018 2:15 PM	8.05	8/5/2018 2:15 PM	8.08	8/6/2018 2:15 PM	8.06
8/4/2018 2:30 PM	8.11	8/5/2018 2:30 PM	8.07	8/6/2018 2:30 PM	8.11
8/4/2018 2:45 PM	8.10	8/5/2018 2:45 PM	8.07	8/6/2018 2:45 PM	8.16
8/4/2018 3:00 PM	8.09	8/5/2018 3:00 PM	8.05	8/6/2018 3:00 PM	8.14
8/4/2018 3:15 PM	8.13	8/5/2018 3:15 PM	8.09	8/6/2018 3:15 PM	8.12
8/4/2018 3:30 PM	8.17	8/5/2018 3:30 PM	8.13	8/6/2018 3:30 PM	8.14
8/4/2018 3:45 PM	8.18	8/5/2018 3:45 PM	8.15	8/6/2018 3:45 PM	8.14
8/4/2018 4:00 PM	8.16	8/5/2018 4:00 PM	8.14	8/6/2018 4:00 PM	8.14
8/4/2018 4:15 PM	8.17	8/5/2018 4:15 PM	8.08	8/6/2018 4:15 PM	8.14
8/4/2018 4:30 PM	8.13	8/5/2018 4:30 PM	8.09	8/6/2018 4:30 PM	8.14
8/4/2018 4:45 PM	8.10	8/5/2018 4:45 PM	8.09	8/6/2018 4:45 PM	8.15
8/4/2018 5:00 PM	8.10	8/5/2018 5:00 PM	8.10	8/6/2018 5:00 PM	8.16
8/4/2018 5:15 PM	8.10	8/5/2018 5:15 PM	8.10	8/6/2018 5:15 PM	8.16
8/4/2018 5:30 PM	8.11	8/5/2018 5:30 PM	8.11	8/6/2018 5:30 PM	8.17
8/4/2018 5:45 PM	8.12	8/5/2018 5:45 PM	8.12	8/6/2018 5:45 PM	8.14
8/4/2018 6:00 PM	8.13	8/5/2018 6:00 PM	8.14	8/6/2018 6:00 PM	8.11
8/4/2018 6:15 PM	8.13	8/5/2018 6:15 PM	8.15	8/6/2018 6:15 PM	8.11
8/4/2018 6:30 PM	8.16	8/5/2018 6:30 PM	8.15	8/6/2018 6:30 PM	8.13
8/4/2018 6:45 PM	8.18	8/5/2018 6:45 PM	8.15	8/6/2018 6:45 PM	8.13
8/4/2018 7:00 PM	8.19	8/5/2018 7:00 PM	8.15	8/6/2018 7:00 PM	8.13
8/4/2018 7:15 PM	8.20	8/5/2018 7:15 PM	8.17	8/6/2018 7:15 PM	8.15
8/4/2018 7:30 PM	8.21	8/5/2018 7:30 PM	8.15	8/6/2018 7:30 PM	8.16
8/4/2018 7:45 PM	8.21	8/5/2018 7:45 PM	8.14	8/6/2018 7:45 PM	8.17
8/4/2018 8:00 PM	8.22	8/5/2018 8:00 PM	8.16	8/6/2018 8:00 PM	8.14
8/4/2018 8:15 PM	8.22	8/5/2018 8:15 PM	8.18	8/6/2018 8:15 PM	8.15
8/4/2018 8:30 PM	8.21	8/5/2018 8:30 PM	8.19	8/6/2018 8:30 PM	8.16
8/4/2018 8:45 PM	8.21	8/5/2018 8:45 PM	8.19	8/6/2018 8:45 PM	8.17
8/4/2018 9:00 PM	8.22	8/5/2018 9:00 PM	8.19	8/6/2018 9:00 PM	8.19
8/4/2018 9:15 PM	8.22	8/5/2018 9:15 PM	8.19	8/6/2018 9:15 PM	8.20
8/4/2018 9:30 PM	8.22	8/5/2018 9:30 PM	8.14	8/6/2018 9:30 PM	8.21
8/4/2018 9:45 PM	8.22	8/5/2018 9:45 PM	8.14	8/6/2018 9:45 PM	8.23
8/4/2018 10:00 PM	8.22	8/5/2018 10:00 PM	8.14	8/6/2018 10:00 PM	8.23
8/4/2018 10:15 PM	8.22	8/5/2018 10:15 PM	8.15	8/6/2018 10:15 PM	8.24
8/4/2018 10:30 PM	8.22	8/5/2018 10:30 PM	8.15	8/6/2018 10:30 PM	8.19
8/4/2018 10:45 PM	8.23	8/5/2018 10:45 PM	8.16	8/6/2018 10:45 PM	8.18
8/4/2018 11:00 PM	8.23	8/5/2018 11:00 PM	8.17	8/6/2018 11:00 PM	8.18
8/4/2018 11:15 PM	8.23	8/5/2018 11:15 PM	8.18	8/6/2018 11:15 PM	8.18
8/4/2018 11:30 PM	8.24	8/5/2018 11:30 PM	8.19	8/6/2018 11:30 PM	8.18
8/4/2018 11:45 PM	8.24	8/5/2018 11:45 PM	8.20	8/6/2018 11:45 PM	8.18

AVG 8.15 AVG 8.14 AVG 8.13

Date And Time	pH	Date And Time	pH	Date And Time	pH
8/7/2018 12:00 AM	8.19	8/8/2018 12:00 AM	8.21	8/9/2018 12:00 AM	8.21
8/7/2018 12:15 AM	8.19	8/8/2018 12:15 AM	8.23	8/9/2018 12:15 AM	8.21
8/7/2018 12:30 AM	8.17	8/8/2018 12:30 AM	8.24	8/9/2018 12:30 AM	8.20
8/7/2018 12:45 AM	8.17	8/8/2018 12:45 AM	8.25	8/9/2018 12:45 AM	8.20
8/7/2018 1:00 AM	8.18	8/8/2018 1:00 AM	8.26	8/9/2018 1:00 AM	8.20
8/7/2018 1:15 AM	8.19	8/8/2018 1:15 AM	8.26	8/9/2018 1:15 AM	8.20
8/7/2018 1:30 AM	8.20	8/8/2018 1:30 AM	8.26	8/9/2018 1:30 AM	8.20
8/7/2018 1:45 AM	8.22	8/8/2018 1:45 AM	8.26	8/9/2018 1:45 AM	8.20
8/7/2018 2:00 AM	8.23	8/8/2018 2:00 AM	8.26	8/9/2018 2:00 AM	8.20
8/7/2018 2:15 AM	8.24	8/8/2018 2:15 AM	8.26	8/9/2018 2:15 AM	8.20
8/7/2018 2:30 AM	8.25	8/8/2018 2:30 AM	8.26	8/9/2018 2:30 AM	8.21
8/7/2018 2:45 AM	8.25	8/8/2018 2:45 AM	8.22	8/9/2018 2:45 AM	8.22
8/7/2018 3:00 AM	8.19	8/8/2018 3:00 AM	8.21	8/9/2018 3:00 AM	8.23
8/7/2018 3:15 AM	8.19	8/8/2018 3:15 AM	8.20	8/9/2018 3:15 AM	8.24
8/7/2018 3:30 AM	8.18	8/8/2018 3:30 AM	8.20	8/9/2018 3:30 AM	8.26
8/7/2018 3:45 AM	8.18	8/8/2018 3:45 AM	8.20	8/9/2018 3:45 AM	8.26
8/7/2018 4:00 AM	8.18	8/8/2018 4:00 AM	8.20	8/9/2018 4:00 AM	8.28
8/7/2018 4:15 AM	8.18	8/8/2018 4:15 AM	8.20	8/9/2018 4:15 AM	8.28
8/7/2018 4:30 AM	8.18	8/8/2018 4:30 AM	8.21	8/9/2018 4:30 AM	8.22
8/7/2018 4:45 AM	8.17	8/8/2018 4:45 AM	8.22	8/9/2018 4:45 AM	8.21
8/7/2018 5:00 AM	8.18	8/8/2018 5:00 AM	8.23	8/9/2018 5:00 AM	8.21
8/7/2018 5:15 AM	8.18	8/8/2018 5:15 AM	8.24	8/9/2018 5:15 AM	8.20
8/7/2018 5:30 AM	8.19	8/8/2018 5:30 AM	8.25	8/9/2018 5:30 AM	8.20
8/7/2018 5:45 AM	8.21	8/8/2018 5:45 AM	8.26	8/9/2018 5:45 AM	8.20
8/7/2018 6:00 AM	8.22	8/8/2018 6:00 AM	8.20	8/9/2018 6:00 AM	8.20
8/7/2018 6:15 AM	8.24	8/8/2018 6:15 AM	8.20	8/9/2018 6:15 AM	8.20
8/7/2018 6:30 AM	8.25	8/8/2018 6:30 AM	8.19	8/9/2018 6:30 AM	8.21
8/7/2018 6:45 AM	8.25	8/8/2018 6:45 AM	8.19	8/9/2018 6:45 AM	8.21
8/7/2018 7:00 AM	8.26	8/8/2018 7:00 AM	8.20	8/9/2018 7:00 AM	8.23
8/7/2018 7:15 AM	8.25	8/8/2018 7:15 AM	8.20	8/9/2018 7:15 AM	8.24
8/7/2018 7:30 AM	8.18	8/8/2018 7:30 AM	8.20	8/9/2018 7:30 AM	8.24
8/7/2018 7:45 AM	8.16	8/8/2018 7:45 AM	8.19	8/9/2018 7:45 AM	8.25
8/7/2018 8:00 AM	8.14	8/8/2018 8:00 AM	8.15	8/9/2018 8:00 AM	8.24
8/7/2018 8:15 AM	8.12	8/8/2018 8:15 AM	8.11	8/9/2018 8:15 AM	8.23
8/7/2018 8:30 AM	8.10	8/8/2018 8:30 AM	8.10	8/9/2018 8:30 AM	8.22
8/7/2018 8:45 AM	8.09	8/8/2018 8:45 AM	8.13	8/9/2018 8:45 AM	8.20
8/7/2018 9:00 AM	8.08	8/8/2018 9:00 AM	8.19	8/9/2018 9:00 AM	8.15
8/7/2018 9:15 AM	8.04	8/8/2018 9:15 AM	8.22	8/9/2018 9:15 AM	8.11
8/7/2018 9:30 AM	8.02	8/8/2018 9:30 AM	8.23	8/9/2018 9:30 AM	8.06
8/7/2018 9:45 AM	8.01	8/8/2018 9:45 AM	8.23	8/9/2018 9:45 AM	8.05
8/7/2018 10:00 AM	8.03	8/8/2018 10:00 AM	8.19	8/9/2018 10:00 AM	8.06
8/7/2018 10:15 AM	8.04	8/8/2018 10:15 AM	8.14	8/9/2018 10:15 AM	8.08
8/7/2018 10:30 AM	8.05	8/8/2018 10:30 AM	8.10	8/9/2018 10:30 AM	8.10
8/7/2018 10:45 AM	8.05	8/8/2018 10:45 AM	8.09	8/9/2018 10:45 AM	8.04
8/7/2018 11:00 AM	8.05	8/8/2018 11:00 AM	8.09	8/9/2018 11:00 AM	8.04
8/7/2018 11:15 AM	8.07	8/8/2018 11:15 AM	8.11	8/9/2018 11:15 AM	8.09
8/7/2018 11:30 AM	8.09	8/8/2018 11:30 AM	8.11	8/9/2018 11:30 AM	8.12
8/7/2018 11:45 AM	8.09	8/8/2018 11:45 AM	8.06	8/9/2018 11:45 AM	8.17
8/7/2018 12:00 PM	8.00	8/8/2018 12:00 PM	8.01	8/9/2018 12:00 PM	8.21
8/7/2018 12:15 PM	7.97	8/8/2018 12:15 PM	8.05	8/9/2018 12:15 PM	8.21
8/7/2018 12:30 PM	7.93	8/8/2018 12:30 PM	8.06	8/9/2018 12:30 PM	8.20
8/7/2018 12:45 PM	7.98	8/8/2018 12:45 PM	8.11	8/9/2018 12:45 PM	8.18
8/7/2018 1:00 PM	8.07	8/8/2018 1:00 PM	8.12	8/9/2018 1:00 PM	8.18
8/7/2018 1:15 PM	8.08	8/8/2018 1:15 PM	8.14	8/9/2018 1:15 PM	8.17
8/7/2018 1:30 PM	8.17	8/8/2018 1:30 PM	8.15	8/9/2018 1:30 PM	8.11
8/7/2018 1:45 PM	8.15	8/8/2018 1:45 PM	8.16	8/9/2018 1:45 PM	8.08
8/7/2018 2:00 PM	8.16	8/8/2018 2:00 PM	8.16	8/9/2018 2:00 PM	8.07
8/7/2018 2:15 PM	8.15	8/8/2018 2:15 PM	8.15	8/9/2018 2:15 PM	8.08
8/7/2018 2:30 PM	8.16	8/8/2018 2:30 PM	8.15	8/9/2018 2:30 PM	8.12
8/7/2018 2:45 PM	8.18	8/8/2018 2:45 PM	8.15	8/9/2018 2:45 PM	8.11
8/7/2018 3:00 PM	8.19	8/8/2018 3:00 PM	8.09	8/9/2018 3:00 PM	8.10
8/7/2018 3:15 PM	8.19	8/8/2018 3:15 PM	8.10	8/9/2018 3:15 PM	8.08
8/7/2018 3:30 PM	8.20	8/8/2018 3:30 PM	8.14	8/9/2018 3:30 PM	8.10
8/7/2018 3:45 PM	8.21	8/8/2018 3:45 PM	8.18	8/9/2018 3:45 PM	8.12
8/7/2018 4:00 PM	8.20	8/8/2018 4:00 PM	8.18	8/9/2018 4:00 PM	8.12
8/7/2018 4:15 PM	8.15	8/8/2018 4:15 PM	8.17	8/9/2018 4:15 PM	8.15
8/7/2018 4:30 PM	8.14	8/8/2018 4:30 PM	8.17	8/9/2018 4:30 PM	8.19
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8/7/2018 5:00 PM	8.15	8/8/2018 5:00 PM	8.20	8/9/2018 5:00 PM	8.22
8/7/2018 5:15 PM	8.16	8/8/2018 5:15 PM	8.19	8/9/2018 5:15 PM	8.23
8/7/2018 5:30 PM	8.17	8/8/2018 5:30 PM	8.21	8/9/2018 5:30 PM	8.23
8/7/2018 5:45 PM	8.18	8/8/2018 5:45 PM	8.20	8/9/2018 5:45 PM	8.23
8/7/2018 6:00 PM	8.19	8/8/2018 6:00 PM	8.20	8/9/2018 6:00 PM	8.20
8/7/2018 6:15 PM	8.18	8/8/2018 6:15 PM	8.21	8/9/2018 6:15 PM	8.19
8/7/2018 6:30 PM	8.19	8/8/2018 6:30 PM	8.23	8/9/2018 6:30 PM	8.19
8/7/2018 6:45 PM	8.19	8/8/2018 6:45 PM	8.24	8/9/2018 6:45 PM	8.20
8/7/2018 7:00 PM	8.19	8/8/2018 7:00 PM	8.24	8/9/2018 7:00 PM	8.20
8/7/2018 7:15 PM	8.20	8/8/2018 7:15 PM	8.21	8/9/2018 7:15 PM	8.20
8/7/2018 7:30 PM	8.22	8/8/2018 7:30 PM	8.21	8/9/2018 7:30 PM	8.20
8/7/2018 7:45 PM	8.23	8/8/2018 7:45 PM	8.22	8/9/2018 7:45 PM	8.20
8/7/2018 8:00 PM	8.24	8/8/2018 8:00 PM	8.23	8/9/2018 8:00 PM	8.18
8/7/2018 8:15 PM	8.25	8/8/2018 8:15 PM	8.23	8/9/2018 8:15 PM	8.18
8/7/2018 8:30 PM	8.26	8/8/2018 8:30 PM	8.23	8/9/2018 8:30 PM	8.19
8/7/2018 8:45 PM	8.26	8/8/2018 8:45 PM	8.23	8/9/2018 8:45 PM	8.20
8/7/2018 9:00 PM	8.21	8/8/2018 9:00 PM	8.22	8/9/2018 9:00 PM	8.21
8/7/2018 9:15 PM	8.21	8/8/2018 9:15 PM	8.22	8/9/2018 9:15 PM	8.22
8/7/2018 9:30 PM	8.20	8/8/2018 9:30 PM	8.19	8/9/2018 9:30 PM	8.23
8/7/2018 9:45 PM	8.20	8/8/2018 9:45 PM	8.20	8/9/2018 9:45 PM	8.24
8/7/2018 10:00 PM	8.20	8/8/2018 10:00 PM	8.21	8/9/2018 10:00 PM	8.25
8/7/2018 10:15 PM	8.20	8/8/2018 10:15 PM	8.21	8/9/2018 10:15 PM	8.25
8/7/2018 10:30 PM	8.20	8/8/2018 10:30 PM	8.22	8/9/2018 10:30 PM	8.26
8/7/2018 10:45 PM	8.20	8/8/2018 10:45 PM	8.23	8/9/2018 10:45 PM	8.27
8/7/2018 11:00 PM	8.19	8/8/2018 11:00 PM	8.24	8/9/2018 11:00 PM	8.27
8/7/2018 11:15 PM	8.19	8/8/2018 11:15 PM	8.26	8/9/2018 11:15 PM	8.27
8/7/2018 11:30 PM	8.19	8/8/2018 11:30 PM	8.26	8/9/2018 11:30 PM	8.27
8/7/2018 11:45 PM	8.20	8/8/2018 11:46 PM	8.28	8/9/2018 11:45 PM	8.24

AVG 8.16 AVG 8.19 AVG 8.19

Date And Time	pH	Date And Time	pH	Date And Time	pH
8/10/2018 12:00 AM	8.22	8/11/2018 12:00 AM	8.20	8/12/2018 12:00 AM	8.23
8/10/2018 12:15 AM	8.21	8/11/2018 12:15 AM	8.20	8/12/2018 12:15 AM	8.23
8/10/2018 12:30 AM	8.21	8/11/2018 12:30 AM	8.21	8/12/2018 12:30 AM	8.24
8/10/2018 12:45 AM	8.21	8/11/2018 12:45 AM	8.22	8/12/2018 12:45 AM	8.24
8/10/2018 1:00 AM	8.22	8/11/2018 1:00 AM	8.23	8/12/2018 1:00 AM	8.24
8/10/2018 1:15 AM	8.23	8/11/2018 1:15 AM	8.24	8/12/2018 1:15 AM	8.24
8/10/2018 1:30 AM	8.24	8/11/2018 1:30 AM	8.20	8/12/2018 1:30 AM	8.19
8/10/2018 1:45 AM	8.25	8/11/2018 1:45 AM	8.19	8/12/2018 1:45 AM	8.18
8/10/2018 2:00 AM	8.26	8/11/2018 2:00 AM	8.19	8/12/2018 2:00 AM	8.18
8/10/2018 2:15 AM	8.27	8/11/2018 2:15 AM	8.18	8/12/2018 2:15 AM	8.18
8/10/2018 2:30 AM	8.27	8/11/2018 2:30 AM	8.18	8/12/2018 2:30 AM	8.20
8/10/2018 2:45 AM	8.28	8/11/2018 2:45 AM	8.19	8/12/2018 2:45 AM	8.21
8/10/2018 3:00 AM	8.21	8/11/2018 3:00 AM	8.19	8/12/2018 3:00 AM	8.22
8/10/2018 3:15 AM	8.21	8/11/2018 3:15 AM	8.19	8/12/2018 3:15 AM	8.23
8/10/2018 3:30 AM	8.21	8/11/2018 3:30 AM	8.18	8/12/2018 3:30 AM	8.24
8/10/2018 3:45 AM	8.21	8/11/2018 3:45 AM	8.19	8/12/2018 3:45 AM	8.25
8/10/2018 4:00 AM	8.21	8/11/2018 4:00 AM	8.19	8/12/2018 4:00 AM	8.25
8/10/2018 4:15 AM	8.22	8/11/2018 4:15 AM	8.19	8/12/2018 4:15 AM	8.26
8/10/2018 4:30 AM	8.21	8/11/2018 4:30 AM	8.21	8/12/2018 4:30 AM	8.19
8/10/2018 4:45 AM	8.21	8/11/2018 4:45 AM	8.22	8/12/2018 4:45 AM	8.18
8/10/2018 5:00 AM	8.19	8/11/2018 5:00 AM	8.23	8/12/2018 5:00 AM	8.18
8/10/2018 5:15 AM	8.20	8/11/2018 5:15 AM	8.24	8/12/2018 5:15 AM	8.17
8/10/2018 5:30 AM	8.20	8/11/2018 5:30 AM	8.25	8/12/2018 5:30 AM	8.18
8/10/2018 5:45 AM	8.21	8/11/2018 5:45 AM	8.26	8/12/2018 5:45 AM	8.18
8/10/2018 6:00 AM	8.21	8/11/2018 6:00 AM	8.19	8/12/2018 6:00 AM	8.18
8/10/2018 6:15 AM	8.22	8/11/2018 6:15 AM	8.19	8/12/2018 6:15 AM	8.18
8/10/2018 6:30 AM	8.23	8/11/2018 6:30 AM	8.18	8/12/2018 6:30 AM	8.17
8/10/2018 6:45 AM	8.24	8/11/2018 6:45 AM	8.18	8/12/2018 6:45 AM	8.18
8/10/2018 7:00 AM	8.25	8/11/2018 7:00 AM	8.18	8/12/2018 7:00 AM	8.18
8/10/2018 7:15 AM	8.26	8/11/2018 7:15 AM	8.17	8/12/2018 7:15 AM	8.18
8/10/2018 7:30 AM	8.19	8/11/2018 7:30 AM	8.17	8/12/2018 7:30 AM	8.18
8/10/2018 7:45 AM	8.18	8/11/2018 7:45 AM	8.17	8/12/2018 7:45 AM	8.19
8/10/2018 8:00 AM	8.16	8/11/2018 8:00 AM	8.16	8/12/2018 8:00 AM	8.19
8/10/2018 8:15 AM	8.15	8/11/2018 8:15 AM	8.14	8/12/2018 8:15 AM	8.18
8/10/2018 8:30 AM	8.13	8/11/2018 8:30 AM	8.13	8/12/2018 8:30 AM	8.19
8/10/2018 8:45 AM	8.12	8/11/2018 8:45 AM	8.14	8/12/2018 8:45 AM	8.19
8/10/2018 9:00 AM	8.12	8/11/2018 9:00 AM	8.15	8/12/2018 9:00 AM	8.12
8/10/2018 9:15 AM	8.09	8/11/2018 9:15 AM	8.16	8/12/2018 9:15 AM	8.10
8/10/2018 9:30 AM	8.08	8/11/2018 9:30 AM	8.15	8/12/2018 9:30 AM	8.11
8/10/2018 9:45 AM	8.08	8/11/2018 9:45 AM	8.17	8/12/2018 9:45 AM	8.09
8/10/2018 10:00 AM	8.11	8/11/2018 10:00 AM	8.19	8/12/2018 10:00 AM	8.09
8/10/2018 10:15 AM	8.13	8/11/2018 10:15 AM	8.16	8/12/2018 10:15 AM	8.11
8/10/2018 10:30 AM	8.13	8/11/2018 10:30 AM	8.07	8/12/2018 10:30 AM	8.10
8/10/2018 10:45 AM	8.13	8/11/2018 10:45 AM	8.05	8/12/2018 10:45 AM	8.08
8/10/2018 11:00 AM	8.12	8/11/2018 11:00 AM	8.03	8/12/2018 11:00 AM	8.08
8/10/2018 11:15 AM	8.13	8/11/2018 11:15 AM	8.00	8/12/2018 11:15 AM	8.11
8/10/2018 11:30 AM	8.15	8/11/2018 11:30 AM	8.03	8/12/2018 11:30 AM	8.15
8/10/2018 11:45 AM	8.14	8/11/2018 11:45 AM	8.02	8/12/2018 11:45 AM	8.18
8/10/2018 12:00 PM	8.07	8/11/2018 12:00 PM	8.00	8/12/2018 12:00 PM	8.20
8/10/2018 12:15 PM	8.04	8/11/2018 12:15 PM	8.03	8/12/2018 12:15 PM	8.21
8/10/2018 12:30 PM	8.04	8/11/2018 12:30 PM	8.09	8/12/2018 12:30 PM	8.22
8/10/2018 12:45 PM	8.03	8/11/2018 12:45 PM	8.15	8/12/2018 12:45 PM	8.22
8/10/2018 1:00 PM	8.04	8/11/2018 1:00 PM	8.15	8/12/2018 1:00 PM	8.22
8/10/2018 1:15 PM	8.05	8/11/2018 1:15 PM	8.16	8/12/2018 1:15 PM	8.22
8/10/2018 1:30 PM	8.05	8/11/2018 1:30 PM	8.18	8/12/2018 1:30 PM	8.20
8/10/2018 1:45 PM	7.99	8/11/2018 1:45 PM	8.18	8/12/2018 1:45 PM	8.20
8/10/2018 2:00 PM	8.01	8/11/2018 2:00 PM	8.22	8/12/2018 2:00 PM	8.20
8/10/2018 2:15 PM	8.06	8/11/2018 2:15 PM	8.22	8/12/2018 2:15 PM	8.21
8/10/2018 2:30 PM	8.14	8/11/2018 2:30 PM	8.22	8/12/2018 2:30 PM	8.19
8/10/2018 2:45 PM	8.18	8/11/2018 2:45 PM	8.21	8/12/2018 2:45 PM	8.20
8/10/2018 3:00 PM	8.18	8/11/2018 3:00 PM	8.19	8/12/2018 3:00 PM	8.19
8/10/2018 3:15 PM	8.19	8/11/2018 3:15 PM	8.17	8/12/2018 3:15 PM	8.19
8/10/2018 3:30 PM	8.20	8/11/2018 3:30 PM	8.19	8/12/2018 3:30 PM	8.19
8/10/2018 3:45 PM	8.22	8/11/2018 3:45 PM	8.20	8/12/2018 3:45 PM	8.18
8/10/2018 4:00 PM	8.20	8/11/2018 4:00 PM	8.21	8/12/2018 4:00 PM	8.18
8/10/2018 4:15 PM	8.20	8/11/2018 4:15 PM	8.20	8/12/2018 4:15 PM	8.16
8/10/2018 4:30 PM	8.19	8/11/2018 4:30 PM	8.19	8/12/2018 4:30 PM	8.16
8/10/2018 4:45 PM	8.18	8/11/2018 4:45 PM	8.19	8/12/2018 4:45 PM	8.16
8/10/2018 5:00 PM	8.19	8/11/2018 5:00 PM	8.15	8/12/2018 5:00 PM	8.17
8/10/2018 5:15 PM	8.20	8/11/2018 5:15 PM	8.16	8/12/2018 5:15 PM	8.17
8/10/2018 5:30 PM	8.20	8/11/2018 5:30 PM	8.16	8/12/2018 5:30 PM	8.18
8/10/2018 5:45 PM	8.20	8/11/2018 5:45 PM	8.16	8/12/2018 5:45 PM	8.19
8/10/2018 6:00 PM	8.16	8/11/2018 6:00 PM	8.17	8/12/2018 6:00 PM	8.16
8/10/2018 6:15 PM	8.13	8/11/2018 6:15 PM	8.18	8/12/2018 6:15 PM	8.16
8/10/2018 6:30 PM	8.14	8/11/2018 6:30 PM	8.19	8/12/2018 6:30 PM	8.16
8/10/2018 6:45 PM	8.15	8/11/2018 6:45 PM	8.20	8/12/2018 6:45 PM	8.16
8/10/2018 7:00 PM	8.17	8/11/2018 7:00 PM	8.21	8/12/2018 7:00 PM	8.15
8/10/2018 7:15 PM	8.20	8/11/2018 7:15 PM	8.22	8/12/2018 7:15 PM	8.15
8/10/2018 7:30 PM	8.22	8/11/2018 7:30 PM	8.19	8/12/2018 7:30 PM	8.15
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8/10/2018 8:00 PM	8.25	8/11/2018 8:00 PM	8.18	8/12/2018 8:00 PM	8.16
8/10/2018 8:15 PM	8.26	8/11/2018 8:15 PM	8.18	8/12/2018 8:15 PM	8.16
8/10/2018 8:30 PM	8.26	8/11/2018 8:30 PM	8.18	8/12/2018 8:30 PM	8.17
8/10/2018 8:45 PM	8.25	8/11/2018 8:45 PM	8.18	8/12/2018 8:45 PM	8.18
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8/10/2018 9:15 PM	8.22	8/11/2018 9:15 PM	8.18	8/12/2018 9:15 PM	8.20
8/10/2018 9:30 PM	8.22	8/11/2018 9:30 PM	8.16	8/12/2018 9:30 PM	8.21
8/10/2018 9:45 PM	8.22	8/11/2018 9:45 PM	8.17	8/12/2018 9:45 PM	8.22
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8/10/2018 10:15 PM	8.22	8/11/2018 10:15 PM	8.17	8/12/2018 10:15 PM	8.23
8/10/2018 10:30 PM	8.22	8/11/2018 10:30 PM	8.18	8/12/2018 10:30 PM	8.17
8/10/2018 10:45 PM	8.21	8/11/2018 10:45 PM	8.19	8/12/2018 10:45 PM	8.16
8/10/2018 11:00 PM	8.19	8/11/2018 11:00 PM	8.19	8/12/2018 11:00 PM	8.16
8/10/2018 11:15 PM	8.19	8/11/2018 11:15 PM	8.20	8/12/2018 11:15 PM	8.15
8/10/2018 11:30 PM	8.19	8/11/2018 11:30 PM	8.21	8/12/2018 11:30 PM	8.15
8/10/2018 11:45 PM	8.19	8/11/2018 11:45 PM	8.21	8/12/2018 11:45 PM	8.15

AVG 8.18 AVG 8.17 AVG 8.18

Date And Time	pH	Date And Time	pH	Date And Time	pH
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8/13/2018 12:30 AM	8.16	8/14/2018 12:30 AM	8.17	8/15/2018 12:30 AM	8.11
8/13/2018 12:45 AM	8.16	8/14/2018 12:45 AM	8.18	8/15/2018 12:45 AM	8.10
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8/13/2018 1:15 AM	8.17	8/14/2018 1:15 AM	8.19	8/15/2018 1:15 AM	8.11
8/13/2018 1:30 AM	8.18	8/14/2018 1:30 AM	8.12	8/15/2018 1:30 AM	8.11
8/13/2018 1:45 AM	8.19	8/14/2018 1:45 AM	8.11	8/15/2018 1:45 AM	8.12
8/13/2018 2:00 AM	8.19	8/14/2018 2:00 AM	8.12	8/15/2018 2:00 AM	8.12
8/13/2018 2:15 AM	8.20	8/14/2018 2:15 AM	8.11	8/15/2018 2:15 AM	8.12
8/13/2018 2:30 AM	8.21	8/14/2018 2:30 AM	8.11	8/15/2018 2:30 AM	8.13
8/13/2018 2:45 AM	8.22	8/14/2018 2:45 AM	8.11	8/15/2018 2:45 AM	8.13
8/13/2018 3:00 AM	8.15	8/14/2018 3:00 AM	8.11	8/15/2018 3:00 AM	8.14
8/13/2018 3:15 AM	8.14	8/14/2018 3:15 AM	8.11	8/15/2018 3:15 AM	8.15
8/13/2018 3:30 AM	8.14	8/14/2018 3:30 AM	8.12	8/15/2018 3:30 AM	8.15
8/13/2018 3:45 AM	8.14	8/14/2018 3:45 AM	8.13	8/15/2018 3:45 AM	8.16
8/13/2018 4:00 AM	8.14	8/14/2018 4:00 AM	8.13	8/15/2018 4:00 AM	8.16
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8/13/2018 4:30 AM	8.14	8/14/2018 4:30 AM	8.14	8/15/2018 4:30 AM	8.11
8/13/2018 4:45 AM	8.14	8/14/2018 4:45 AM	8.14	8/15/2018 4:45 AM	8.10
8/13/2018 5:00 AM	8.14	8/14/2018 5:00 AM	8.15	8/15/2018 5:00 AM	8.10
8/13/2018 5:15 AM	8.15	8/14/2018 5:15 AM	8.16	8/15/2018 5:15 AM	8.10
8/13/2018 5:30 AM	8.16	8/14/2018 5:30 AM	8.16	8/15/2018 5:30 AM	8.10
8/13/2018 5:45 AM	8.16	8/14/2018 5:45 AM	8.17	8/15/2018 5:45 AM	8.10
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8/13/2018 6:15 AM	8.18	8/14/2018 6:15 AM	8.10	8/15/2018 6:15 AM	8.10
8/13/2018 6:30 AM	8.19	8/14/2018 6:30 AM	8.10	8/15/2018 6:30 AM	8.11
8/13/2018 6:45 AM	8.20	8/14/2018 6:45 AM	8.11	8/15/2018 6:45 AM	8.12
8/13/2018 7:00 AM	8.21	8/14/2018 7:00 AM	8.11	8/15/2018 7:00 AM	8.12
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8/13/2018 10:30 AM	8.15	8/14/2018 10:30 AM	8.10	8/15/2018 10:30 AM	7.93
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8/13/2018 12:15 PM	8.12	8/14/2018 12:15 PM	7.95	8/15/2018 12:15 PM	8.14
8/13/2018 12:30 PM	8.10	8/14/2018 12:30 PM	7.96	8/15/2018 12:30 PM	8.12
8/13/2018 12:45 PM	8.05	8/14/2018 12:45 PM	8.04	8/15/2018 12:45 PM	8.11
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8/13/2018 1:30 PM	8.11	8/14/2018 1:30 PM	8.15	8/15/2018 1:30 PM	8.06
8/13/2018 1:45 PM	8.14	8/14/2018 1:45 PM	8.16	8/15/2018 1:45 PM	8.06
8/13/2018 2:00 PM	8.14	8/14/2018 2:00 PM	8.14	8/15/2018 2:00 PM	8.06
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8/13/2018 2:30 PM	8.14	8/14/2018 2:30 PM	8.17	8/15/2018 2:30 PM	8.04
8/13/2018 2:45 PM	8.15	8/14/2018 2:45 PM	8.16	8/15/2018 2:45 PM	8.03
8/13/2018 3:00 PM	8.15	8/14/2018 3:00 PM	8.08	8/15/2018 3:00 PM	8.05
8/13/2018 3:15 PM	8.16	8/14/2018 3:15 PM	8.08	8/15/2018 3:15 PM	8.03
8/13/2018 3:30 PM	8.16	8/14/2018 3:30 PM	8.10	8/15/2018 3:30 PM	8.04
8/13/2018 3:45 PM	8.17	8/14/2018 3:45 PM	8.13	8/15/2018 3:45 PM	8.04
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8/13/2018 4:15 PM	8.18	8/14/2018 4:15 PM	8.15	8/15/2018 4:15 PM	8.08
8/13/2018 4:30 PM	8.12	8/14/2018 4:30 PM	8.13	8/15/2018 4:30 PM	8.12
8/13/2018 4:45 PM	8.12	8/14/2018 4:45 PM	8.13	8/15/2018 4:45 PM	8.15
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8/13/2018 5:15 PM	8.10	8/14/2018 5:15 PM	8.09	8/15/2018 5:15 PM	8.14
8/13/2018 5:30 PM	8.10	8/14/2018 5:30 PM	8.10	8/15/2018 5:30 PM	8.14
8/13/2018 5:45 PM	8.10	8/14/2018 5:45 PM	8.11	8/15/2018 5:45 PM	8.14
8/13/2018 6:00 PM	8.10	8/14/2018 6:00 PM	8.12	8/15/2018 6:00 PM	8.14
8/13/2018 6:15 PM	8.10	8/14/2018 6:15 PM	8.12	8/15/2018 6:15 PM	8.16
8/13/2018 6:30 PM	8.10	8/14/2018 6:30 PM	8.13	8/15/2018 6:30 PM	8.16
8/13/2018 6:45 PM	8.10	8/14/2018 6:45 PM	8.14	8/15/2018 6:45 PM	8.16
8/13/2018 7:00 PM	8.10	8/14/2018 7:00 PM	8.15	8/15/2018 7:00 PM	8.16
8/13/2018 7:15 PM	8.11	8/14/2018 7:15 PM	8.15	8/15/2018 7:15 PM	8.15
8/13/2018 7:30 PM	8.12	8/14/2018 7:30 PM	8.13	8/15/2018 7:30 PM	8.15
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8/13/2018 8:00 PM	8.14	8/14/2018 8:00 PM	8.12	8/15/2018 8:00 PM	8.13
8/13/2018 8:15 PM	8.15	8/14/2018 8:15 PM	8.12	8/15/2018 8:15 PM	8.12
8/13/2018 8:30 PM	8.16	8/14/2018 8:30 PM	8.12	8/15/2018 8:30 PM	8.12
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8/13/2018 9:15 PM	8.19	8/14/2018 9:15 PM	8.12	8/15/2018 9:15 PM	8.13
8/13/2018 9:30 PM	8.20	8/14/2018 9:30 PM	8.12	8/15/2018 9:30 PM	8.13
8/13/2018 9:45 PM	8.21	8/14/2018 9:45 PM	8.12	8/15/2018 9:45 PM	8.13
8/13/2018 10:00 PM	8.21	8/14/2018 10:00 PM	8.12	8/15/2018 10:00 PM	8.14
8/13/2018 10:15 PM	8.20	8/14/2018 10:15 PM	8.13	8/15/2018 10:15 PM	8.14
8/13/2018 10:30 PM	8.13	8/14/2018 10:30 PM	8.12	8/15/2018 10:30 PM	8.13
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8/13/2018 11:30 PM	8.13	8/14/2018 11:30 PM	8.14	8/15/2018 11:30 PM	8.15
8/13/2018 11:45 PM	8.14	8/14/2018 11:45 PM	8.15	8/15/2018 11:45 PM	8.15

AVG 8.06 AVG 8.12 AVG 8.10

Date And Time	pH	Date And Time	pH	Date And Time	pH
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8/16/2018 12:30 AM	8.13	8/17/2018 12:30 AM	8.13	8/18/2018 12:30 AM	8.12
8/16/2018 12:45 AM	8.12	8/17/2018 12:45 AM	8.13	8/18/2018 12:45 AM	8.12
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8/16/2018 1:15 AM	8.12	8/17/2018 1:15 AM	8.15	8/18/2018 1:15 AM	8.12
8/16/2018 1:30 AM	8.12	8/17/2018 1:30 AM	8.12	8/18/2018 1:30 AM	8.12
8/16/2018 1:45 AM	8.13	8/17/2018 1:45 AM	8.12	8/18/2018 1:45 AM	8.12
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8/16/2018 3:30 AM	8.12	8/17/2018 3:30 AM	8.13	8/18/2018 3:30 AM	8.14
8/16/2018 3:45 AM	8.11	8/17/2018 3:45 AM	8.13	8/18/2018 3:45 AM	8.14
8/16/2018 4:00 AM	8.12	8/17/2018 4:00 AM	8.14	8/18/2018 4:00 AM	8.14
8/16/2018 4:15 AM	8.12	8/17/2018 4:15 AM	8.14	8/18/2018 4:15 AM	8.14
8/16/2018 4:30 AM	8.12	8/17/2018 4:30 AM	8.14	8/18/2018 4:30 AM	8.12
8/16/2018 4:45 AM	8.12	8/17/2018 4:45 AM	8.15	8/18/2018 4:45 AM	8.11
8/16/2018 5:00 AM	8.12	8/17/2018 5:00 AM	8.15	8/18/2018 5:00 AM	8.11
8/16/2018 5:15 AM	8.13	8/17/2018 5:15 AM	8.15	8/18/2018 5:15 AM	8.12
8/16/2018 5:30 AM	8.13	8/17/2018 5:30 AM	8.15	8/18/2018 5:30 AM	8.12
8/16/2018 5:45 AM	8.13	8/17/2018 5:45 AM	8.16	8/18/2018 5:45 AM	8.12
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8/16/2018 7:15 AM	8.16	8/17/2018 7:15 AM	8.10	8/18/2018 7:15 AM	8.14
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8/16/2018 7:45 AM	8.11	8/17/2018 7:45 AM	8.10	8/18/2018 7:45 AM	8.15
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8/16/2018 8:15 AM	8.10	8/17/2018 8:15 AM	8.11	8/18/2018 8:15 AM	8.15
8/16/2018 8:30 AM	8.10	8/17/2018 8:30 AM	8.12	8/18/2018 8:30 AM	8.15
8/16/2018 8:45 AM	8.08	8/17/2018 8:45 AM	8.12	8/18/2018 8:45 AM	8.16
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8/16/2018 9:30 AM	8.09	8/17/2018 9:30 AM	8.15	8/18/2018 9:30 AM	8.11
8/16/2018 9:45 AM	8.09	8/17/2018 9:45 AM	8.15	8/18/2018 9:45 AM	8.11
8/16/2018 10:00 AM	8.10	8/17/2018 10:00 AM	8.16	8/18/2018 10:00 AM	8.10
8/16/2018 10:15 AM	8.10	8/17/2018 10:15 AM	8.17	8/18/2018 10:15 AM	8.10
8/16/2018 10:30 AM	8.08	8/17/2018 10:30 AM	8.10	8/18/2018 10:30 AM	8.09
8/16/2018 10:45 AM	8.10	8/17/2018 10:45 AM	8.08	8/18/2018 10:45 AM	8.08
8/16/2018 11:00 AM	8.11	8/17/2018 11:00 AM	8.06	8/18/2018 11:00 AM	
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8/16/2018 11:45 AM	8.09	8/17/2018 11:45 AM	7.99	8/18/2018 11:45 AM	
8/16/2018 12:00 PM	8.00	8/17/2018 12:00 PM	7.99	8/18/2018 12:00 PM	
8/16/2018 12:15 PM	7.97	8/17/2018 12:15 PM	7.93	8/18/2018 12:15 PM	
8/16/2018 12:30 PM	7.94	8/17/2018 12:30 PM	7.92	8/18/2018 12:30 PM	
8/16/2018 12:45 PM	7.96	8/17/2018 12:45 PM	7.99	8/18/2018 12:45 PM	
8/16/2018 1:00 PM	7.96	8/17/2018 1:00 PM	8.02	8/18/2018 1:00 PM	
8/16/2018 1:15 PM	7.95	8/17/2018 1:15 PM	8.03	8/18/2018 1:15 PM	
8/16/2018 1:30 PM	7.93	8/17/2018 1:30 PM	8.06	8/18/2018 1:30 PM	
8/16/2018 1:45 PM	7.91	8/17/2018 1:45 PM	8.07	8/18/2018 1:45 PM	
8/16/2018 2:00 PM	7.94	8/17/2018 2:00 PM	8.08	8/18/2018 2:00 PM	
8/16/2018 2:15 PM	8.02	8/17/2018 2:15 PM	8.12	8/18/2018 2:15 PM	
8/16/2018 2:30 PM	8.07	8/17/2018 2:30 PM	8.14	8/18/2018 2:30 PM	
8/16/2018 2:45 PM	8.10	8/17/2018 2:45 PM	8.14	8/18/2018 2:45 PM	
8/16/2018 3:00 PM	8.10	8/17/2018 3:00 PM	8.15	8/18/2018 3:00 PM	
8/16/2018 3:15 PM	8.11	8/17/2018 3:15 PM	8.16	8/18/2018 3:15 PM	
8/16/2018 3:30 PM	8.12	8/17/2018 3:30 PM	8.16	8/18/2018 3:30 PM	
8/16/2018 3:45 PM	8.14	8/17/2018 3:45 PM	8.16	8/18/2018 3:45 PM	
8/16/2018 4:00 PM	8.15	8/17/2018 4:00 PM	8.16	8/18/2018 4:00 PM	
8/16/2018 4:15 PM	8.15	8/17/2018 4:15 PM	8.17	8/18/2018 4:15 PM	
8/16/2018 4:30 PM	8.13	8/17/2018 4:30 PM	8.18	8/18/2018 4:30 PM	
8/16/2018 4:45 PM	8.12	8/17/2018 4:45 PM	8.18	8/18/2018 4:45 PM	
8/16/2018 5:00 PM	8.12	8/17/2018 5:00 PM	8.15	8/18/2018 5:00 PM	
8/16/2018 5:15 PM	8.13	8/17/2018 5:15 PM	8.15	8/18/2018 5:15 PM	
8/16/2018 5:30 PM	8.12	8/17/2018 5:30 PM	8.15	8/18/2018 5:30 PM	
8/16/2018 5:45 PM	8.11	8/17/2018 5:45 PM	8.15	8/18/2018 5:45 PM	
8/16/2018 6:00 PM	8.09	8/17/2018 6:00 PM	8.14	8/18/2018 6:00 PM	
8/16/2018 6:15 PM	8.09	8/17/2018 6:15 PM	8.13	8/18/2018 6:15 PM	
8/16/2018 6:30 PM	8.05	8/17/2018 6:30 PM	8.13	8/18/2018 6:30 PM	
8/16/2018 6:45 PM	8.06	8/17/2018 6:45 PM	8.13	8/18/2018 6:45 PM	
8/16/2018 7:00 PM	8.09	8/17/2018 7:00 PM	8.13	8/18/2018 7:00 PM	
8/16/2018 7:15 PM	8.11	8/17/2018 7:15 PM	8.13	8/18/2018 7:15 PM	
8/16/2018 7:30 PM	8.12	8/17/2018 7:30 PM	8.15	8/18/2018 7:30 PM	
8/16/2018 7:45 PM	8.13	8/17/2018 7:45 PM	8.16	8/18/2018 7:45 PM	
8/16/2018 8:00 PM	8.14	8/17/2018 8:00 PM	8.18	8/18/2018 8:00 PM	
8/16/2018 8:15 PM	8.14	8/17/2018 8:15 PM	8.18	8/18/2018 8:15 PM	
8/16/2018 8:30 PM	8.15	8/17/2018 8:30 PM	8.18	8/18/2018 8:30 PM	
8/16/2018 8:45 PM	8.15	8/17/2018 8:45 PM	8.17	8/18/2018 8:45 PM	
8/16/2018 9:00 PM	8.14	8/17/2018 9:00 PM	8.17	8/18/2018 9:00 PM	
8/16/2018 9:15 PM	8.14	8/17/2018 9:15 PM	8.12	8/18/2018 9:15 PM	
8/16/2018 9:30 PM	8.13	8/17/2018 9:30 PM	8.13	8/18/2018 9:30 PM	
8/16/2018 9:45 PM	8.13	8/17/2018 9:45 PM	8.12	8/18/2018 9:45 PM	
8/16/2018 10:00 PM	8.13	8/17/2018 10:00 PM	8.13	8/18/2018 10:00 PM	
8/16/2018 10:15 PM	8.13	8/17/2018 10:15 PM	8.13	8/18/2018 10:15 PM	
8/16/2018 10:30 PM	8.13	8/17/2018 10:30 PM	8.13	8/18/2018 10:30 PM	
8/16/2018 10:45 PM	8.12	8/17/2018 10:45 PM	8.13	8/18/2018 10:45 PM	
8/16/2018 11:00 PM	8.12	8/17/2018 11:00 PM	8.13	8/18/2018 11:00 PM	
8/16/2018 11:15 PM	8.13	8/17/2018 11:15 PM	8.13	8/18/2018 11:15 PM	
8/16/2018 11:30 PM	8.13	8/17/2018 11:30 PM	8.14	8/18/2018 11:30 PM	
8/16/2018 11:45 PM	8.12	8/17/2018 11:45 PM	8.14	8/18/2018 11:45 PM	

AVG 8.10 AVG 8.12 AVG 8.13

No pH data was stored from 11:00AM 8/18/18 through 6:30AM 8/20/18 due to a loss of power to the data collection server.

Date And Time	pH	Date And Time	pH	Date And Time	pH
8/19/2018 12:00 AM		8/20/2018 12:00 AM		8/21/2018 12:00 AM	8.10
8/19/2018 12:15 AM		8/20/2018 12:15 AM		8/21/2018 12:15 AM	8.10
8/19/2018 12:30 AM		8/20/2018 12:30 AM		8/21/2018 12:30 AM	8.10
8/19/2018 12:45 AM		8/20/2018 12:45 AM		8/21/2018 12:45 AM	8.09
8/19/2018 1:00 AM		8/20/2018 1:00 AM		8/21/2018 1:00 AM	8.09
8/19/2018 1:15 AM		8/20/2018 1:15 AM		8/21/2018 1:15 AM	8.10
8/19/2018 1:30 AM		8/20/2018 1:30 AM		8/21/2018 1:30 AM	8.10
8/19/2018 1:45 AM		8/20/2018 1:45 AM		8/21/2018 1:45 AM	8.10
8/19/2018 2:00 AM		8/20/2018 2:00 AM		8/21/2018 2:00 AM	8.10
8/19/2018 2:15 AM		8/20/2018 2:15 AM		8/21/2018 2:15 AM	8.12
8/19/2018 2:30 AM		8/20/2018 2:30 AM		8/21/2018 2:30 AM	8.13
8/19/2018 2:45 AM		8/20/2018 2:45 AM		8/21/2018 2:45 AM	8.13
8/19/2018 3:00 AM		8/20/2018 3:00 AM		8/21/2018 3:00 AM	8.15
8/19/2018 3:15 AM		8/20/2018 3:15 AM		8/21/2018 3:15 AM	8.15
8/19/2018 3:30 AM		8/20/2018 3:30 AM		8/21/2018 3:30 AM	8.16
8/19/2018 3:45 AM		8/20/2018 3:45 AM		8/21/2018 3:45 AM	8.16
8/19/2018 4:00 AM		8/20/2018 4:00 AM		8/21/2018 4:00 AM	8.16
8/19/2018 4:15 AM		8/20/2018 4:15 AM		8/21/2018 4:15 AM	8.17
8/19/2018 4:30 AM		8/20/2018 4:30 AM		8/21/2018 4:30 AM	8.12
8/19/2018 4:45 AM		8/20/2018 4:45 AM		8/21/2018 4:45 AM	8.12
8/19/2018 5:00 AM		8/20/2018 5:00 AM		8/21/2018 5:00 AM	8.11
8/19/2018 5:15 AM		8/20/2018 5:15 AM		8/21/2018 5:15 AM	8.11
8/19/2018 5:30 AM		8/20/2018 5:30 AM		8/21/2018 5:30 AM	8.11
8/19/2018 5:45 AM		8/20/2018 5:45 AM		8/21/2018 5:45 AM	8.11
8/19/2018 6:00 AM		8/20/2018 6:00 AM		8/21/2018 6:00 AM	8.11
8/19/2018 6:15 AM		8/20/2018 6:15 AM		8/21/2018 6:15 AM	8.13
8/19/2018 6:30 AM		8/20/2018 6:30 AM		8/21/2018 6:30 AM	8.15
8/19/2018 6:45 AM		8/20/2018 6:45 AM	8.11	8/21/2018 6:45 AM	8.16
8/19/2018 7:00 AM		8/20/2018 7:00 AM	8.11	8/21/2018 7:00 AM	8.16
8/19/2018 7:15 AM		8/20/2018 7:15 AM	8.11	8/21/2018 7:15 AM	8.16
8/19/2018 7:30 AM		8/20/2018 7:30 AM	8.11	8/21/2018 7:30 AM	8.16
8/19/2018 7:45 AM		8/20/2018 7:45 AM	8.11	8/21/2018 7:45 AM	8.16
8/19/2018 8:00 AM		8/20/2018 8:00 AM	8.12	8/21/2018 8:00 AM	8.16
8/19/2018 8:15 AM		8/20/2018 8:15 AM	8.13	8/21/2018 8:15 AM	8.16
8/19/2018 8:30 AM		8/20/2018 8:30 AM	8.14	8/21/2018 8:30 AM	8.17
8/19/2018 8:45 AM		8/20/2018 8:45 AM	8.15	8/21/2018 8:45 AM	8.17
8/19/2018 9:00 AM		8/20/2018 9:00 AM	8.15	8/21/2018 9:00 AM	8.10
8/19/2018 9:15 AM		8/20/2018 9:15 AM	8.15	8/21/2018 9:15 AM	8.08
8/19/2018 9:30 AM		8/20/2018 9:30 AM	8.15	8/21/2018 9:30 AM	8.07
8/19/2018 9:45 AM		8/20/2018 9:45 AM	8.15	8/21/2018 9:45 AM	8.06
8/19/2018 10:00 AM		8/20/2018 10:00 AM	8.16	8/21/2018 10:00 AM	8.03
8/19/2018 10:15 AM		8/20/2018 10:15 AM	8.16	8/21/2018 10:15 AM	8.01
8/19/2018 10:30 AM		8/20/2018 10:30 AM	8.11	8/21/2018 10:30 AM	8.00
8/19/2018 10:45 AM		8/20/2018 10:45 AM	8.10	8/21/2018 10:45 AM	8.00
8/19/2018 11:00 AM		8/20/2018 11:00 AM	8.10	8/21/2018 11:00 AM	8.01
8/19/2018 11:15 AM		8/20/2018 11:15 AM	8.10	8/21/2018 11:15 AM	8.04
8/19/2018 11:30 AM		8/20/2018 11:30 AM	8.09	8/21/2018 11:30 AM	8.12
8/19/2018 11:45 AM		8/20/2018 11:45 AM	8.09	8/21/2018 11:45 AM	8.17
8/19/2018 12:00 PM		8/20/2018 12:00 PM	8.09	8/21/2018 12:00 PM	8.18
8/19/2018 12:15 PM		8/20/2018 12:15 PM	8.09	8/21/2018 12:15 PM	8.19
8/19/2018 12:30 PM		8/20/2018 12:30 PM	8.12	8/21/2018 12:30 PM	8.20
8/19/2018 12:45 PM		8/20/2018 12:45 PM	8.14	8/21/2018 12:45 PM	8.19
8/19/2018 1:00 PM		8/20/2018 1:00 PM	8.15	8/21/2018 1:00 PM	8.20
8/19/2018 1:15 PM		8/20/2018 1:15 PM	8.16	8/21/2018 1:15 PM	8.18
8/19/2018 1:30 PM		8/20/2018 1:30 PM	8.16	8/21/2018 1:30 PM	8.09
8/19/2018 1:45 PM		8/20/2018 1:45 PM	8.17	8/21/2018 1:45 PM	8.00
8/19/2018 2:00 PM		8/20/2018 2:00 PM	8.17	8/21/2018 2:00 PM	8.03
8/19/2018 2:15 PM		8/20/2018 2:15 PM	8.18	8/21/2018 2:15 PM	8.04
8/19/2018 2:30 PM		8/20/2018 2:30 PM	8.18	8/21/2018 2:30 PM	8.07
8/19/2018 2:45 PM		8/20/2018 2:45 PM	8.19	8/21/2018 2:45 PM	8.10
8/19/2018 3:00 PM		8/20/2018 3:00 PM	8.13	8/21/2018 3:00 PM	8.09
8/19/2018 3:15 PM		8/20/2018 3:15 PM	8.11	8/21/2018 3:15 PM	8.08
8/19/2018 3:30 PM		8/20/2018 3:30 PM	8.10	8/21/2018 3:30 PM	8.05
8/19/2018 3:45 PM		8/20/2018 3:45 PM	8.09	8/21/2018 3:45 PM	8.06
8/19/2018 4:00 PM		8/20/2018 4:00 PM	8.09	8/21/2018 4:00 PM	8.09
8/19/2018 4:15 PM		8/20/2018 4:15 PM	8.09	8/21/2018 4:15 PM	8.11
8/19/2018 4:30 PM		8/20/2018 4:30 PM	8.09	8/21/2018 4:30 PM	8.14
8/19/2018 4:45 PM		8/20/2018 4:45 PM	8.09	8/21/2018 4:45 PM	8.16
8/19/2018 5:00 PM		8/20/2018 5:00 PM	8.10	8/21/2018 5:00 PM	8.17
8/19/2018 5:15 PM		8/20/2018 5:15 PM	8.13	8/21/2018 5:15 PM	8.18
8/19/2018 5:30 PM		8/20/2018 5:30 PM	8.15	8/21/2018 5:30 PM	8.17
8/19/2018 5:45 PM		8/20/2018 5:45 PM	8.16	8/21/2018 5:45 PM	8.17
8/19/2018 6:00 PM		8/20/2018 6:00 PM	8.17	8/21/2018 6:00 PM	8.17
8/19/2018 6:15 PM		8/20/2018 6:15 PM	8.18	8/21/2018 6:15 PM	8.17
8/19/2018 6:30 PM		8/20/2018 6:30 PM	8.17	8/21/2018 6:30 PM	8.17
8/19/2018 6:45 PM		8/20/2018 6:45 PM	8.18	8/21/2018 6:45 PM	8.18
8/19/2018 7:00 PM		8/20/2018 7:00 PM	8.18	8/21/2018 7:00 PM	8.18
8/19/2018 7:15 PM		8/20/2018 7:15 PM	8.17	8/21/2018 7:15 PM	8.17
8/19/2018 7:30 PM		8/20/2018 7:30 PM	8.12	8/21/2018 7:30 PM	8.16
8/19/2018 7:45 PM		8/20/2018 7:45 PM	8.12	8/21/2018 7:45 PM	8.15
8/19/2018 8:00 PM		8/20/2018 8:00 PM	8.11	8/21/2018 8:00 PM	8.13
8/19/2018 8:15 PM		8/20/2018 8:15 PM	8.10	8/21/2018 8:15 PM	8.12
8/19/2018 8:30 PM		8/20/2018 8:30 PM	8.10	8/21/2018 8:30 PM	8.12
8/19/2018 8:45 PM		8/20/2018 8:45 PM	8.10	8/21/2018 8:45 PM	8.12
8/19/2018 9:00 PM		8/20/2018 9:00 PM	8.10	8/21/2018 9:00 PM	8.14
8/19/2018 9:15 PM		8/20/2018 9:15 PM	8.10	8/21/2018 9:15 PM	8.14
8/19/2018 9:30 PM		8/20/2018 9:30 PM	8.11	8/21/2018 9:30 PM	8.13
8/19/2018 9:45 PM		8/20/2018 9:45 PM	8.11	8/21/2018 9:45 PM	8.13
8/19/2018 10:00 PM		8/20/2018 10:00 PM	8.11	8/21/2018 10:00 PM	8.14
8/19/2018 10:15 PM		8/20/2018 10:15 PM	8.12	8/21/2018 10:15 PM	8.14
8/19/2018 10:30 PM		8/20/2018 10:30 PM	8.12	8/21/2018 10:30 PM	8.13
8/19/2018 10:45 PM		8/20/2018 10:45 PM	8.12	8/21/2018 10:45 PM	8.13
8/19/2018 11:00 PM		8/20/2018 11:00 PM	8.13	8/21/2018 11:00 PM	8.13
8/19/2018 11:15 PM		8/20/2018 11:15 PM	8.13	8/21/2018 11:15 PM	8.13
8/19/2018 11:30 PM		8/20/2018 11:30 PM	8.13	8/21/2018 11:30 PM	8.13
8/19/2018 11:45 PM		8/20/2018 11:45 PM	8.14	8/21/2018 11:45 PM	8.12

AVG NA AVG 8.13 AVG 8.12

No pH data was stored from 11:00AM 8/18/18 through 6:30AM 8/20/18 due to a loss of power to the data collection server.

Date And Time	pH	Date And Time	pH	Date And Time	pH
8/22/2018 12:00 AM	8.12	8/23/2018 12:00 AM	8.13	8/24/2018 12:00 AM	8.13
8/22/2018 12:15 AM	8.12	8/23/2018 12:15 AM	8.13	8/24/2018 12:15 AM	8.14
8/22/2018 12:30 AM	8.13	8/23/2018 12:30 AM	8.13	8/24/2018 12:30 AM	8.14
8/22/2018 12:45 AM	8.13	8/23/2018 12:45 AM	8.13	8/24/2018 12:45 AM	8.14
8/22/2018 1:00 AM	8.13	8/23/2018 1:00 AM	8.14	8/24/2018 1:00 AM	8.14
8/22/2018 1:15 AM	8.13	8/23/2018 1:15 AM	8.14	8/24/2018 1:15 AM	8.14
8/22/2018 1:30 AM	8.13	8/23/2018 1:30 AM	8.11	8/24/2018 1:30 AM	8.14
8/22/2018 1:45 AM	8.12	8/23/2018 1:45 AM	8.11	8/24/2018 1:45 AM	8.14
8/22/2018 2:00 AM	8.13	8/23/2018 2:00 AM	8.11	8/24/2018 2:00 AM	8.14
8/22/2018 2:15 AM	8.13	8/23/2018 2:15 AM	8.11	8/24/2018 2:15 AM	8.15
8/22/2018 2:30 AM	8.13	8/23/2018 2:30 AM	8.11	8/24/2018 2:30 AM	8.15
8/22/2018 2:45 AM	8.13	8/23/2018 2:45 AM	8.11	8/24/2018 2:45 AM	8.15
8/22/2018 3:00 AM	8.11	8/23/2018 3:00 AM	8.11	8/24/2018 3:00 AM	8.15
8/22/2018 3:15 AM	8.11	8/23/2018 3:15 AM	8.11	8/24/2018 3:15 AM	8.15
8/22/2018 3:30 AM	8.11	8/23/2018 3:30 AM	8.12	8/24/2018 3:30 AM	8.15
8/22/2018 3:45 AM	8.11	8/23/2018 3:45 AM	8.14	8/24/2018 3:45 AM	8.16
8/22/2018 4:00 AM	8.11	8/23/2018 4:00 AM	8.15	8/24/2018 4:00 AM	8.16
8/22/2018 4:15 AM	8.11	8/23/2018 4:15 AM	8.15	8/24/2018 4:15 AM	8.16
8/22/2018 4:30 AM	8.11	8/23/2018 4:30 AM	8.15	8/24/2018 4:30 AM	8.12
8/22/2018 4:45 AM	8.11	8/23/2018 4:45 AM	8.15	8/24/2018 4:45 AM	8.12
8/22/2018 5:00 AM	8.12	8/23/2018 5:00 AM	8.16	8/24/2018 5:00 AM	8.12
8/22/2018 5:15 AM	8.13	8/23/2018 5:15 AM	8.16	8/24/2018 5:15 AM	8.13
8/22/2018 5:30 AM	8.13	8/23/2018 5:30 AM	8.16	8/24/2018 5:30 AM	8.13
8/22/2018 5:45 AM	8.13	8/23/2018 5:45 AM	8.16	8/24/2018 5:45 AM	8.13
8/22/2018 6:00 AM	8.13	8/23/2018 6:00 AM	8.11	8/24/2018 6:00 AM	8.13
8/22/2018 6:15 AM	8.13	8/23/2018 6:15 AM	8.11	8/24/2018 6:15 AM	8.15
8/22/2018 6:30 AM	8.13	8/23/2018 6:30 AM	8.11	8/24/2018 6:30 AM	8.16
8/22/2018 6:45 AM	8.13	8/23/2018 6:45 AM	8.11	8/24/2018 6:45 AM	8.16
8/22/2018 7:00 AM	8.13	8/23/2018 7:00 AM	8.11	8/24/2018 7:00 AM	8.17
8/22/2018 7:15 AM	8.14	8/23/2018 7:15 AM	8.11	8/24/2018 7:15 AM	8.16
8/22/2018 7:30 AM	8.10	8/23/2018 7:30 AM	8.11	8/24/2018 7:30 AM	8.16
8/22/2018 7:45 AM	8.09	8/23/2018 7:45 AM	8.10	8/24/2018 7:45 AM	8.15
8/22/2018 8:00 AM	8.09	8/23/2018 8:00 AM	8.13	8/24/2018 8:00 AM	8.14
8/22/2018 8:15 AM	8.08	8/23/2018 8:15 AM	8.14	8/24/2018 8:15 AM	8.14
8/22/2018 8:30 AM	8.08	8/23/2018 8:30 AM	8.14	8/24/2018 8:30 AM	8.12
8/22/2018 8:45 AM	8.08	8/23/2018 8:45 AM	8.14	8/24/2018 8:45 AM	8.10
8/22/2018 9:00 AM	8.08	8/23/2018 9:00 AM	8.15	8/24/2018 9:00 AM	8.06
8/22/2018 9:15 AM	8.08	8/23/2018 9:15 AM	8.14	8/24/2018 9:15 AM	8.05
8/22/2018 9:30 AM	8.10	8/23/2018 9:30 AM	8.14	8/24/2018 9:30 AM	8.03
8/22/2018 9:45 AM	8.12	8/23/2018 9:45 AM	8.14	8/24/2018 9:45 AM	8.01
8/22/2018 10:00 AM	8.13	8/23/2018 10:00 AM	8.13	8/24/2018 10:00 AM	8.00
8/22/2018 10:15 AM	8.14	8/23/2018 10:15 AM	8.13	8/24/2018 10:15 AM	8.00
8/22/2018 10:30 AM	8.15	8/23/2018 10:30 AM	8.08	8/24/2018 10:30 AM	7.97
8/22/2018 10:45 AM	8.16	8/23/2018 10:45 AM	8.04	8/24/2018 10:45 AM	7.97
8/22/2018 11:00 AM	8.18	8/23/2018 11:00 AM	8.04	8/24/2018 11:00 AM	8.01
8/22/2018 11:15 AM	8.18	8/23/2018 11:15 AM	8.03	8/24/2018 11:15 AM	8.08
8/22/2018 11:30 AM	8.18	8/23/2018 11:30 AM	8.03	8/24/2018 11:30 AM	8.15
8/22/2018 11:45 AM	8.17	8/23/2018 11:45 AM	8.03	8/24/2018 11:45 AM	8.17
8/22/2018 12:00 PM	8.09	8/23/2018 12:00 PM	8.04	8/24/2018 12:00 PM	8.16
8/22/2018 12:15 PM	8.07	8/23/2018 12:15 PM	8.12	8/24/2018 12:15 PM	8.15
8/22/2018 12:30 PM	8.04	8/23/2018 12:30 PM	8.19	8/24/2018 12:30 PM	8.18
8/22/2018 12:45 PM	8.02	8/23/2018 12:45 PM	8.22	8/24/2018 12:45 PM	8.18
8/22/2018 1:00 PM	7.98	8/23/2018 1:00 PM	8.23	8/24/2018 1:00 PM	8.18
8/22/2018 1:15 PM	7.98	8/23/2018 1:15 PM	8.23	8/24/2018 1:15 PM	8.19
8/22/2018 1:30 PM	7.99	8/23/2018 1:30 PM	8.22	8/24/2018 1:30 PM	8.13
8/22/2018 1:45 PM	7.99	8/23/2018 1:45 PM	8.22	8/24/2018 1:45 PM	8.17
8/22/2018 2:00 PM	8.02	8/23/2018 2:00 PM	8.21	8/24/2018 2:00 PM	8.11
8/22/2018 2:15 PM	8.10	8/23/2018 2:15 PM	8.20	8/24/2018 2:15 PM	8.10
8/22/2018 2:30 PM	8.16	8/23/2018 2:30 PM	8.19	8/24/2018 2:30 PM	8.08
8/22/2018 2:45 PM	8.18	8/23/2018 2:45 PM	8.18	8/24/2018 2:45 PM	8.09
8/22/2018 3:00 PM	8.18	8/23/2018 3:00 PM	8.14	8/24/2018 3:00 PM	8.08
8/22/2018 3:15 PM	8.19	8/23/2018 3:15 PM	8.14	8/24/2018 3:15 PM	8.10
8/22/2018 3:30 PM	8.18	8/23/2018 3:30 PM	8.15	8/24/2018 3:30 PM	8.12
8/22/2018 3:45 PM	8.17	8/23/2018 3:45 PM	8.15	8/24/2018 3:45 PM	8.13
8/22/2018 4:00 PM	8.17	8/23/2018 4:00 PM	8.15	8/24/2018 4:00 PM	8.14
8/22/2018 4:15 PM	8.17	8/23/2018 4:15 PM	8.15	8/24/2018 4:15 PM	8.16
8/22/2018 4:30 PM	8.14	8/23/2018 4:30 PM	8.14	8/24/2018 4:30 PM	8.18
8/22/2018 4:45 PM	8.12	8/23/2018 4:45 PM	8.13	8/24/2018 4:45 PM	8.20
8/22/2018 5:00 PM	8.11	8/23/2018 5:00 PM	8.12	8/24/2018 5:00 PM	8.20
8/22/2018 5:15 PM	8.13	8/23/2018 5:15 PM	8.12	8/24/2018 5:15 PM	8.20
8/22/2018 5:30 PM	8.13	8/23/2018 5:30 PM	8.12	8/24/2018 5:30 PM	8.20
8/22/2018 5:45 PM	8.12	8/23/2018 5:45 PM	8.11	8/24/2018 5:45 PM	8.19
8/22/2018 6:00 PM	8.09	8/23/2018 6:00 PM	8.13	8/24/2018 6:00 PM	8.17
8/22/2018 6:15 PM	8.10	8/23/2018 6:15 PM	8.18	8/24/2018 6:15 PM	8.17
8/22/2018 6:30 PM	8.09	8/23/2018 6:30 PM	8.20	8/24/2018 6:30 PM	8.15
8/22/2018 6:45 PM	8.09	8/23/2018 6:45 PM	8.21	8/24/2018 6:45 PM	8.14
8/22/2018 7:00 PM	8.11	8/23/2018 7:00 PM	8.22	8/24/2018 7:00 PM	8.14
8/22/2018 7:15 PM	8.12	8/23/2018 7:15 PM	8.20	8/24/2018 7:15 PM	8.15
8/22/2018 7:30 PM	8.13	8/23/2018 7:30 PM	8.19	8/24/2018 7:30 PM	8.15
8/22/2018 7:45 PM	8.14	8/23/2018 7:45 PM	8.18	8/24/2018 7:45 PM	8.15
8/22/2018 8:00 PM	8.14	8/23/2018 8:00 PM	8.19	8/24/2018 8:00 PM	8.16
8/22/2018 8:15 PM	8.14	8/23/2018 8:15 PM	8.20	8/24/2018 8:15 PM	8.17
8/22/2018 8:30 PM	8.15	8/23/2018 8:30 PM	8.20	8/24/2018 8:30 PM	8.17
8/22/2018 8:45 PM	8.15	8/23/2018 8:45 PM	8.22	8/24/2018 8:45 PM	8.17
8/22/2018 9:00 PM	8.13	8/23/2018 9:00 PM	8.17	8/24/2018 9:00 PM	8.17
8/22/2018 9:15 PM	8.13	8/23/2018 9:15 PM	8.17	8/24/2018 9:15 PM	8.17
8/22/2018 9:30 PM	8.12	8/23/2018 9:30 PM	8.16	8/24/2018 9:30 PM	8.17
8/22/2018 9:45 PM	8.12	8/23/2018 9:45 PM	8.15	8/24/2018 9:45 PM	8.17
8/22/2018 10:00 PM	8.12	8/23/2018 10:00 PM	8.16	8/24/2018 10:00 PM	8.17
8/22/2018 10:15 PM	8.12	8/23/2018 10:15 PM	8.16	8/24/2018 10:15 PM	8.17
8/22/2018 10:30 PM	8.12	8/23/2018 10:30 PM	8.16	8/24/2018 10:30 PM	8.15
8/22/2018 10:45 PM	8.12	8/23/2018 10:45 PM	8.16	8/24/2018 10:45 PM	8.15
8/22/2018 11:00 PM	8.11	8/23/2018 11:00 PM	8.16	8/24/2018 11:00 PM	8.15
8/22/2018 11:15 PM	8.13	8/23/2018 11:15 PM	8.15	8/24/2018 11:15 PM	8.15
8/22/2018 11:30 PM	8.13	8/23/2018 11:30 PM	8.16	8/24/2018 11:30 PM	8.15
8/22/2018 11:45 PM	8.13	8/23/2018 11:45 PM	8.16	8/24/2018 11:45 PM	8.15

AVG 8.12 AVG 8.14 AVG 8.13

Avg 8.16 Avg 8.17 Avg 8.15

Date And Time	pH	Date And Time	pH	Date And Time	pH
8/28/2018 12:00 AM	8.18	8/29/2018 12:00 AM	8.21	8/30/2018 12:00 AM	8.21
8/28/2018 12:15 AM	8.18	8/29/2018 12:15 AM	8.21	8/30/2018 12:15 AM	8.22
8/28/2018 12:30 AM	8.18	8/29/2018 12:30 AM	8.21	8/30/2018 12:30 AM	8.22
8/28/2018 12:45 AM	8.17	8/29/2018 12:45 AM	8.21	8/30/2018 12:45 AM	8.22
8/28/2018 1:00 AM	8.18	8/29/2018 1:00 AM	8.21	8/30/2018 1:00 AM	8.22
8/28/2018 1:15 AM	8.18	8/29/2018 1:15 AM	8.20	8/30/2018 1:15 AM	8.22
8/28/2018 1:30 AM	8.19	8/29/2018 1:30 AM	8.19	8/30/2018 1:30 AM	8.20
8/28/2018 1:45 AM	8.18	8/29/2018 1:45 AM	8.19	8/30/2018 1:45 AM	8.20
8/28/2018 2:00 AM	8.18	8/29/2018 2:00 AM	8.18	8/30/2018 2:00 AM	8.20
8/28/2018 2:15 AM	8.18	8/29/2018 2:15 AM	8.18	8/30/2018 2:15 AM	8.21
8/28/2018 2:30 AM	8.19	8/29/2018 2:30 AM	8.18	8/30/2018 2:30 AM	8.21
8/28/2018 2:45 AM	8.19	8/29/2018 2:45 AM	8.18	8/30/2018 2:45 AM	8.22
8/28/2018 3:00 AM	8.17	8/29/2018 3:00 AM	8.18	8/30/2018 3:00 AM	8.22
8/28/2018 3:15 AM	8.16	8/29/2018 3:15 AM	8.18	8/30/2018 3:15 AM	8.22
8/28/2018 3:30 AM	8.17	8/29/2018 3:30 AM	8.20	8/30/2018 3:30 AM	8.22
8/28/2018 3:45 AM	8.16	8/29/2018 3:45 AM	8.21	8/30/2018 3:45 AM	8.22
8/28/2018 4:00 AM	8.16	8/29/2018 4:00 AM	8.21	8/30/2018 4:00 AM	8.22
8/28/2018 4:15 AM	8.16	8/29/2018 4:15 AM	8.21	8/30/2018 4:15 AM	8.22
8/28/2018 4:30 AM	8.17	8/29/2018 4:30 AM	8.21	8/30/2018 4:30 AM	8.20
8/28/2018 4:45 AM	8.16	8/29/2018 4:45 AM	8.22	8/30/2018 4:45 AM	8.19
8/28/2018 5:00 AM	8.17	8/29/2018 5:00 AM	8.21	8/30/2018 5:00 AM	8.19
8/28/2018 5:15 AM	8.19	8/29/2018 5:15 AM	8.21	8/30/2018 5:15 AM	8.19
8/28/2018 5:30 AM	8.20	8/29/2018 5:30 AM	8.22	8/30/2018 5:30 AM	8.19
8/28/2018 5:45 AM	8.20	8/29/2018 5:45 AM	8.22	8/30/2018 5:45 AM	8.19
8/28/2018 6:00 AM	8.20	8/29/2018 6:00 AM	8.19	8/30/2018 6:00 AM	8.19
8/28/2018 6:15 AM	8.19	8/29/2018 6:15 AM	8.18	8/30/2018 6:15 AM	8.19
8/28/2018 6:30 AM	8.19	8/29/2018 6:30 AM	8.18	8/30/2018 6:30 AM	8.20
8/28/2018 6:45 AM	8.20	8/29/2018 6:45 AM	8.18	8/30/2018 6:45 AM	8.22
8/28/2018 7:00 AM	8.20	8/29/2018 7:00 AM	8.18	8/30/2018 7:00 AM	8.22
8/28/2018 7:15 AM	8.20	8/29/2018 7:15 AM	8.18	8/30/2018 7:15 AM	8.22
8/28/2018 7:30 AM	8.16	8/29/2018 7:30 AM	8.17	8/30/2018 7:30 AM	8.22
8/28/2018 7:45 AM	8.15	8/29/2018 7:45 AM	8.18	8/30/2018 7:45 AM	8.22
8/28/2018 8:00 AM	8.13	8/29/2018 8:00 AM	8.18	8/30/2018 8:00 AM	8.22
8/28/2018 8:15 AM	8.12	8/29/2018 8:15 AM	8.18	8/30/2018 8:15 AM	8.22
8/28/2018 8:30 AM	8.11	8/29/2018 8:30 AM	8.18	8/30/2018 8:30 AM	8.22
8/28/2018 8:45 AM	8.09	8/29/2018 8:45 AM	8.18	8/30/2018 8:45 AM	8.21
8/28/2018 9:00 AM	8.07	8/29/2018 9:00 AM	8.17	8/30/2018 9:00 AM	8.18
8/28/2018 9:15 AM	8.07	8/29/2018 9:15 AM	8.15	8/30/2018 9:15 AM	8.16
8/28/2018 9:30 AM	8.08	8/29/2018 9:30 AM	8.15	8/30/2018 9:30 AM	8.12
8/28/2018 9:45 AM	8.09	8/29/2018 9:45 AM	8.13	8/30/2018 9:45 AM	8.12
8/28/2018 10:00 AM	8.09	8/29/2018 10:00 AM	8.14	8/30/2018 10:00 AM	8.10
8/28/2018 10:15 AM	8.08	8/29/2018 10:15 AM	8.16	8/30/2018 10:15 AM	8.09
8/28/2018 10:30 AM	8.07	8/29/2018 10:30 AM	8.10	8/30/2018 10:30 AM	8.09
8/28/2018 10:45 AM	8.07	8/29/2018 10:45 AM	8.07	8/30/2018 10:45 AM	8.09
8/28/2018 11:00 AM	8.11	8/29/2018 11:00 AM	8.02	8/30/2018 11:00 AM	8.13
8/28/2018 11:15 AM	8.13	8/29/2018 11:15 AM	8.00	8/30/2018 11:15 AM	8.15
8/28/2018 11:30 AM	8.13	8/29/2018 11:30 AM	8.01	8/30/2018 11:30 AM	8.16
8/28/2018 11:45 AM	8.11	8/29/2018 11:45 AM	7.98	8/30/2018 11:45 AM	8.18
8/28/2018 12:00 PM	7.98	8/29/2018 12:00 PM	7.96	8/30/2018 12:00 PM	8.20
8/28/2018 12:15 PM	7.99	8/29/2018 12:15 PM	7.92	8/30/2018 12:15 PM	8.20
8/28/2018 12:30 PM	7.97	8/29/2018 12:30 PM	7.98	8/30/2018 12:30 PM	8.21
8/28/2018 12:45 PM	7.95	8/29/2018 12:45 PM	8.02	8/30/2018 12:45 PM	8.21
8/28/2018 1:00 PM	7.95	8/29/2018 1:00 PM	8.06	8/30/2018 1:00 PM	8.21
8/28/2018 1:15 PM	7.94	8/29/2018 1:15 PM	8.12	8/30/2018 1:15 PM	8.21
8/28/2018 1:30 PM	7.93	8/29/2018 1:30 PM	8.13	8/30/2018 1:30 PM	8.16
8/28/2018 1:45 PM	7.97	8/29/2018 1:45 PM	8.13	8/30/2018 1:45 PM	8.19
8/28/2018 2:00 PM	8.04	8/29/2018 2:00 PM	8.15	8/30/2018 2:00 PM	8.18
8/28/2018 2:15 PM	8.07	8/29/2018 2:15 PM	8.14	8/30/2018 2:15 PM	8.17
8/28/2018 2:30 PM	8.09	8/29/2018 2:30 PM	8.14	8/30/2018 2:30 PM	8.18
8/28/2018 2:45 PM	8.10	8/29/2018 2:45 PM	8.14	8/30/2018 2:45 PM	8.16
8/28/2018 3:00 PM	8.10	8/29/2018 3:00 PM	8.04	8/30/2018 3:00 PM	8.13
8/28/2018 3:15 PM	8.13	8/29/2018 3:15 PM	8.13	8/30/2018 3:15 PM	8.17
8/28/2018 3:30 PM	8.16	8/29/2018 3:30 PM	8.15	8/30/2018 3:30 PM	8.20
8/28/2018 3:45 PM	8.18	8/29/2018 3:45 PM	8.16	8/30/2018 3:45 PM	8.22
8/28/2018 4:00 PM	8.17	8/29/2018 4:00 PM	8.15	8/30/2018 4:00 PM	8.22
8/28/2018 4:15 PM	8.19	8/29/2018 4:15 PM	8.15	8/30/2018 4:15 PM	8.23
8/28/2018 4:30 PM	8.18	8/29/2018 4:30 PM	8.15	8/30/2018 4:30 PM	8.24
8/28/2018 4:45 PM	8.19	8/29/2018 4:45 PM	8.15	8/30/2018 4:45 PM	8.23
8/28/2018 5:00 PM	8.22	8/29/2018 5:00 PM	8.15	8/30/2018 5:00 PM	8.23
8/28/2018 5:15 PM	8.22	8/29/2018 5:15 PM	8.18	8/30/2018 5:15 PM	8.23
8/28/2018 5:30 PM	8.22	8/29/2018 5:30 PM	8.20	8/30/2018 5:30 PM	8.23
8/28/2018 5:45 PM	8.22	8/29/2018 5:45 PM	8.21	8/30/2018 5:45 PM	8.23
8/28/2018 6:00 PM	8.21	8/29/2018 6:00 PM	8.21	8/30/2018 6:00 PM	8.23
8/28/2018 6:15 PM	8.21	8/29/2018 6:15 PM	8.23	8/30/2018 6:15 PM	8.24
8/28/2018 6:30 PM	8.16	8/29/2018 6:30 PM	8.22	8/30/2018 6:30 PM	8.23
8/28/2018 6:45 PM	8.16	8/29/2018 6:45 PM	8.22	8/30/2018 6:45 PM	8.23
8/28/2018 7:00 PM	8.18	8/29/2018 7:00 PM	8.22	8/30/2018 7:00 PM	8.22
8/28/2018 7:15 PM	8.19	8/29/2018 7:15 PM	8.21	8/30/2018 7:15 PM	8.22
8/28/2018 7:30 PM	8.19	8/29/2018 7:30 PM	8.23	8/30/2018 7:30 PM	8.21
8/28/2018 7:45 PM	8.19	8/29/2018 7:45 PM	8.24	8/30/2018 7:45 PM	8.21
8/28/2018 8:00 PM	8.19	8/29/2018 8:00 PM	8.23	8/30/2018 8:00 PM	8.21
8/28/2018 8:15 PM	8.19	8/29/2018 8:15 PM	8.22	8/30/2018 8:15 PM	8.22
8/28/2018 8:30 PM	8.19	8/29/2018 8:30 PM	8.22	8/30/2018 8:30 PM	8.23
8/28/2018 8:45 PM	8.20	8/29/2018 8:45 PM	8.21	8/30/2018 8:45 PM	8.22
8/28/2018 9:00 PM	8.21	8/29/2018 9:00 PM	8.21	8/30/2018 9:00 PM	8.22
8/28/2018 9:15 PM	8.21	8/29/2018 9:15 PM	8.21	8/30/2018 9:15 PM	8.22
8/28/2018 9:30 PM	8.20	8/29/2018 9:30 PM	8.21	8/30/2018 9:30 PM	8.22
8/28/2018 9:45 PM	8.20	8/29/2018 9:45 PM	8.21	8/30/2018 9:45 PM	8.22
8/28/2018 10:00 PM	8.20	8/29/2018 10:00 PM	8.22	8/30/2018 10:00 PM	8.22
8/28/2018 10:15 PM	8.19	8/29/2018 10:15 PM	8.22	8/30/2018 10:15 PM	8.22
8/28/2018 10:30 PM	8.19	8/29/2018 10:30 PM	8.22	8/30/2018 10:30 PM	8.21
8/28/2018 10:45 PM	8.19	8/29/2018 10:45 PM	8.22	8/30/2018 10:45 PM	8.21
8/28/2018 11:00 PM	8.19	8/29/2018 11:00 PM	8.21	8/30/2018 11:00 PM	8.20
8/28/2018 11:15 PM	8.19	8/29/2018 11:15 PM	8.21	8/30/2018 11:15 PM	8.20
8/28/2018 11:30 PM	8.20	8/29/2018 11:30 PM	8.21	8/30/2018 11:30 PM	8.20
8/28/2018 11:45 PM	8.21	8/29/2018 11:45 PM	8.21	8/30/2018 11:45 PM	8.20

AVG 8.15 AVG 8.17 AVG 8.20

Date And Time	pH	
8/31/2018 12:00 AM	8.20	
8/31/2018 12:15 AM	8.20	
8/31/2018 12:30 AM	8.20	
8/31/2018 12:45 AM	8.23	
		MIN 7.85
		MAX 8.29

8/31/2018 1:00 AM	8.23
8/31/2018 1:15 AM	8.23
8/31/2018 1:30 AM	8.23
8/31/2018 1:45 AM	8.22
8/31/2018 2:00 AM	8.23
8/31/2018 2:15 AM	8.22
8/31/2018 2:30 AM	8.22
8/31/2018 2:45 AM	8.23
8/31/2018 3:00 AM	8.20
8/31/2018 3:15 AM	8.20
8/31/2018 3:30 AM	8.20
8/31/2018 3:45 AM	8.20
8/31/2018 4:00 AM	8.19
8/31/2018 4:15 AM	8.19
8/31/2018 4:30 AM	8.19
8/31/2018 4:45 AM	8.19
8/31/2018 5:00 AM	8.22
8/31/2018 5:15 AM	8.23
8/31/2018 5:30 AM	8.24
8/31/2018 5:45 AM	8.24
8/31/2018 6:00 AM	8.23
8/31/2018 6:15 AM	8.23
8/31/2018 6:30 AM	8.23
8/31/2018 6:45 AM	8.23
8/31/2018 7:00 AM	8.23
8/31/2018 7:15 AM	8.23
8/31/2018 7:30 AM	8.20
8/31/2018 7:45 AM	8.19
8/31/2018 8:00 AM	8.19
8/31/2018 8:15 AM	8.19
8/31/2018 8:30 AM	8.19
8/31/2018 8:45 AM	8.19
8/31/2018 9:00 AM	8.19
8/31/2018 9:15 AM	8.22
8/31/2018 9:30 AM	8.23
8/31/2018 9:45 AM	8.21
8/31/2018 10:00 AM	8.20
8/31/2018 10:15 AM	8.19
8/31/2018 10:30 AM	8.19
8/31/2018 10:45 AM	8.19
8/31/2018 11:00 AM	8.17
8/31/2018 11:15 AM	8.15
8/31/2018 11:30 AM	8.14
8/31/2018 11:45 AM	8.15
8/31/2018 12:00 PM	8.10
8/31/2018 12:15 PM	8.16
8/31/2018 12:30 PM	8.12
8/31/2018 12:45 PM	8.11
8/31/2018 1:00 PM	8.09
8/31/2018 1:15 PM	8.06
8/31/2018 1:30 PM	8.03
8/31/2018 1:45 PM	8.06
8/31/2018 2:00 PM	8.13
8/31/2018 2:15 PM	8.13
8/31/2018 2:30 PM	8.13
8/31/2018 2:45 PM	8.15
8/31/2018 3:00 PM	8.16
8/31/2018 3:15 PM	8.17
8/31/2018 3:30 PM	8.18
8/31/2018 3:45 PM	8.19
8/31/2018 4:00 PM	8.20
8/31/2018 4:15 PM	8.20
8/31/2018 4:30 PM	8.21
8/31/2018 4:45 PM	8.21
8/31/2018 5:00 PM	8.21
8/31/2018 5:15 PM	8.21
8/31/2018 5:30 PM	8.21
8/31/2018 5:45 PM	8.21
8/31/2018 6:00 PM	8.25
8/31/2018 6:15 PM	8.25
8/31/2018 6:30 PM	8.24
8/31/2018 6:45 PM	8.19
8/31/2018 7:00 PM	8.19
8/31/2018 7:15 PM	8.19
8/31/2018 7:30 PM	8.19
8/31/2018 7:45 PM	8.20
8/31/2018 8:00 PM	8.21
8/31/2018 8:15 PM	8.21
8/31/2018 8:30 PM	8.21
8/31/2018 8:45 PM	8.22
8/31/2018 9:00 PM	8.23
8/31/2018 9:15 PM	8.23
8/31/2018 9:30 PM	8.23
8/31/2018 9:45 PM	8.23
8/31/2018 10:00 PM	8.22
8/31/2018 10:15 PM	8.21
8/31/2018 10:30 PM	8.21
8/31/2018 10:45 PM	8.20
8/31/2018 11:00 PM	8.20
8/31/2018 11:15 PM	8.21
8/31/2018 11:30 PM	8.22
8/31/2018 11:45 PM	8.22

AVG 8.19

Avtex Fibers
Front Royal, VA
Outfall 004
August 2018 DMR

<u>Sample Date</u>	<u>Sample ID</u>	<u>BOD, mg/L</u>	<u>BOD, kg/d</u>	<u>TSS, mg/L</u>	<u>TSS, kg/d</u>
8/7/2018	AF8-7FE	0.0	0.0	1.1	0.4
8/16/2018	AF8-16FE	0.0	0.0	0.0	0.0
8/23/2018	AF8-23FE	0.0	0.0	2.1	0.7
8/28/2018	AF8-28FE	0.0	0.0	0.0	0.0
Daily Maximum:		0.0	0.0	2.1	0.7
Monthly Avg:		0.0	0.0	0.8	0.3

Monthly Average – Compliance with the monthly average limitations and/or reporting requirements for the parameters listed in Part I.C.1 shall be determined as follows: All concentration data below the QL used for the analysis shall be treated as zero. All concentration data equal to or above the QL used for the analysis shall be treated as it is reported. An arithmetic average shall be calculated using all reported data for the month, including the defined zeros. This arithmetic average shall be reported on the Discharge Monitoring Report (DMR) as calculated. If all data are below the QL used for the analysis, then the average shall be reported as "<QL". If reporting for quantity is required on the DMR and the reported monthly average concentration is <QL, then report "<QL" for the quantity. Otherwise use the reported concentration data (including the defined zeros) and flow data for each sample day to determine the daily quantity and report the monthly average of the calculated daily quantities.

Daily Maximum – Compliance with the daily maximum limitations and/or reporting requirements for the parameters listed in Part I.C.1 shall be determined as follows: All concentration data below the QL used for the analysis shall be treated as zero. All concentration data equal to or above the QL used for the analysis shall be treated as reported. An arithmetic average shall be calculated using all reported data, including the defined zeros, collected within each day during the reporting month. The maximum value of these daily averages thus determined shall be reported on the DMR as the Daily Maximum. If all data are below the QL used for the analysis, then the maximum value of the daily averages shall be reported as "<QL". If reporting for quantity is required on the DMR and the reported daily maximum concentration is <QL, then report "<QL" for the quantity. Otherwise use the reported daily average concentrations (including the defined zeros) and corresponding daily flows to determine daily average quantities and report the maximum of the daily average quantities during the reporting month.

Loading Derivation
If 1 ppm (= 1 mg/L) and 1 MGD (= 1 MG/day)
--> (1 mg/L)(1 MG/day)(3.785 L/Gal)(10^6 Gal/MG)(1 lb/453,600 mg) = 8.34 lbs/day
--> lbs/day = ppm * 8.34 * MGD
--> kg/d = ppm * 8.34 * MGD * 0.4536*lb/d
Concentration Derivation
If 1 lb/d and 1 MGD (= 1 MG/day)
[[(1 lbs/day)(453,600 mg/lb)] / [(1 MG/d)(10^6 Gal/MG)(3.785 L/Gal)]
--> ppm = lb/d ^ (1/8.34) ^ (1/MGD)

BOD

8/7/2018	0
8/16/2018	0
8/23/2018	0
8/28/2018	0

AVG

0

TSS

8/7/2018	0.353750326
8/16/2018	0
8/23/2018	0.657364708
8/28/2018	0

AVG

0.252778758

CS2*

8/21/2018	0.000	ug/L
8/21/2018	0.0000	mg/L
8/21/2018	0.0000	kg/d

*Note: CS2 EPA Test Method: 8260 MSV Low Level Analytical Method (EPA 8260)

Report Limit 2 ug/L
MDL 1.2 ug/L



FMC Corporation
2929 Walnut Street
Philadelphia, PA 19104
USA

Transmitted via Email

215.299.6000
fmc.com

October 9, 2018

Department of Environmental Quality - CO
Office of Remediation Program
P.O. Box 1105
Richmond, VA 23218

Re: Submission of Discharge Monitoring Report – September 2018
Avtex Fibers Superfund Site
Front Royal, Virginia

Dear Ms. Payne:

In accordance with the Applicable or Relevant and Appropriate Requirements (ARARs) and Fact Sheet provided July 22, 2014, FMC Corporation (FMC) is submitting the Discharge Monitoring Report (DMR) for the month of September 2018. The permit is for the discharge from the Groundwater and Leachate Treatment Plant (GLTP) located at 404 Kendrick Lane, Front Royal, VA. Analysis of effluent concentrations yielded results within the allowable limits for all parameters.

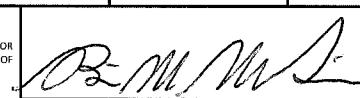
Please do not hesitate to call if there are any questions.

Sincerely,
FMC Corporation

Brian M. McGinnis, P.E.
Manager, Environmental Remediation

cc: via Email
Brandon Kiracofe, DEQ
Jeffrey Thomas, USEPA
Heather Philip, Parsons

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS: (Include Facility Name/Location if different)												OMB No. 2040-004			
NAME:	Avtex Fibers			NA			004			DMR MAILING ZIP CODE:			23218		
ADDRESS:	404 Kendrick Lane Front Royal, VA 22630			PERMIT NUMBER			DISCHARGE NUMBER			DESCRIPTION:					
FACILITY:	AVTEX FIBERS			MONITORING PERIOD						GLTP EFFLUENT (OUTFALL 004)					
LOCATION:	FRONT ROYAL, VA			FROM	YEAR 18	MO 09	DAY 01	TO	YEAR 18	MO 09	DAY 30	External Outfall			
ATTN:													No Discharge		
PARAMETER				QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE			
				VALUE	VALUE	UNITS	VALUE	VALUE	VALUE				UNITS		
FLOW	SAMPLE MEASUREMENT	0.087	0.096	MGD	*****	*****	*****	*****	*****	*****	0	CONTINUOUS	TIRE		
00056 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	REPORT MONTHLY AV	REPORT DAILY MAX		*****	*****	*****		*****	*****	*****	*****	CONTINUOUS	TIRE	
PH	SAMPLE MEASUREMENT	*****	*****	kg/d	7.8	*****	8.3	SU	0	CONTINUOUS	GRAB				
00400 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	*****	*****		6.5	MINIMUM	*****		9.0	*****	*****	CONTINUOUS	GRAB		
BOD, 5-DAY	SAMPLE MEASUREMENT	<QL	<QL	kg/d	*****	<QL	<QL	mg/L	0	1/7	8 HC				
00318 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	36 MONTHLY AV	96 DAILY MAX		*****	*****	24 MONTHLY AV		64 DAILY MX	*****	*****	1/7	8 HC		
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	<QL	<QL	kg/d	*****	<QL	<QL	mg/L	0	1/7	8 HC				
03603 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	60 MONTHLY AV	190 DAILY MAX		*****	*****	40 MONTHLY AV		130 DAILY MX	*****	*****	1/7	8 HC		
CARBON DISULFIDE	SAMPLE MEASUREMENT	<QL	<QL	kg/d	*****	<QL	<QL	mg/L	0	1/30	8 HC				
77041 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	NL MONTHLY AV	NL DAILY MAX		*****	*****	NL MONTHLY AV		NL DAILY MX	*****	*****	1/30	8 HC		
WHOLE EFFLUENT TOXICITY - <i>Ceriodaphnia dubia</i>	SAMPLE MEASUREMENT	*****	*****	TUa	*****	*****	*****	TUa	*****	*****	8 HC				
22414 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	*****	*****		*****	*****	*****		*****	*****	*****	1/90	8 HC		
WHOLE EFFLUENT TOXICITY - <i>Pimephales promelas</i>	SAMPLE MEASUREMENT	*****	*****	TUa	*****	*****	*****	TUa	*****	*****	8 HC				
22414 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	*****	*****		*****	*****	*****		*****	*****	*****	1/90	8 HC		
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED, BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.						TELEPHONE			DATE			
Brian McGinnis Manager, Environmental Remediation												215	299-6047	18	10
TYPED OR PRINTED			SIGNATURE OF PRINCIPAL EXECUTIVE						OFFICER OR AUTHORIZED AGENT	AREA	NUMBER	YEAR	MO	DAY	
COMMENT AND EXPLANATION OF ANY VIOLATIONS			(Reference all attachments here)												
Attachment: pH compliance monitoring summary (monthly)															
Carbon disulfide: No limit established; monitored monthly; 0.1 mg/L action level															
EPA Form 3320-1 (Rev 01/06) Previous editions may be used.												PAGE	1 OF 10		

Avtex Fibers
Front Royal, VA
Outfall 004
September 2018 DMR

pH Calculations:

Date And Time	pH	Date And Time	pH	Date And Time	pH
9/1/2018 12:00 AM	8.21	9/2/2018 12:00 AM	8.21	9/3/2018 12:00 AM	8.22
9/1/2018 12:15 AM	8.22	9/2/2018 12:15 AM	8.20	9/3/2018 12:15 AM	8.22
9/1/2018 12:30 AM	8.22	9/2/2018 12:30 AM	8.20	9/3/2018 12:30 AM	8.22
9/1/2018 12:45 AM	8.22	9/2/2018 12:45 AM	8.20	9/3/2018 12:45 AM	8.24
9/1/2018 1:00 AM	8.22	9/2/2018 1:00 AM	8.20	9/3/2018 1:00 AM	8.25
9/1/2018 1:15 AM	8.22	9/2/2018 1:15 AM	8.20	9/3/2018 1:15 AM	8.25
9/1/2018 1:30 AM	8.21	9/2/2018 1:30 AM	8.20	9/3/2018 1:30 AM	8.25
9/1/2018 1:45 AM	8.20	9/2/2018 1:45 AM	8.20	9/3/2018 1:45 AM	8.24
9/1/2018 2:00 AM	8.20	9/2/2018 2:00 AM	8.23	9/3/2018 2:00 AM	8.25
9/1/2018 2:15 AM	8.20	9/2/2018 2:15 AM	8.24	9/3/2018 2:15 AM	8.24
9/1/2018 2:30 AM	8.20	9/2/2018 2:30 AM	8.24	9/3/2018 2:30 AM	8.24
9/1/2018 2:45 AM	8.20	9/2/2018 2:45 AM	8.24	9/3/2018 2:45 AM	8.24
9/1/2018 3:00 AM	8.20	9/2/2018 3:00 AM	8.23	9/3/2018 3:00 AM	8.24
9/1/2018 3:15 AM	8.21	9/2/2018 3:15 AM	8.23	9/3/2018 3:15 AM	8.24
9/1/2018 3:30 AM	8.23	9/2/2018 3:30 AM	8.23	9/3/2018 3:30 AM	8.25
9/1/2018 3:45 AM	8.23	9/2/2018 3:45 AM	8.23	9/3/2018 3:45 AM	8.25
9/1/2018 4:00 AM	8.23	9/2/2018 4:00 AM	8.24	9/3/2018 4:00 AM	8.25
9/1/2018 4:15 AM	8.23	9/2/2018 4:15 AM	8.24	9/3/2018 4:15 AM	8.25
9/1/2018 4:30 AM	8.23	9/2/2018 4:30 AM	8.21	9/3/2018 4:30 AM	8.22
9/1/2018 4:45 AM	8.23	9/2/2018 4:45 AM	8.20	9/3/2018 4:45 AM	8.23
9/1/2018 5:00 AM	8.22	9/2/2018 5:00 AM	8.20	9/3/2018 5:00 AM	8.22
9/1/2018 5:15 AM	8.23	9/2/2018 5:15 AM	8.20	9/3/2018 5:15 AM	8.24
9/1/2018 5:30 AM	8.23	9/2/2018 5:30 AM	8.20	9/3/2018 5:30 AM	8.26
9/1/2018 5:45 AM	8.23	9/2/2018 5:45 AM	8.20	9/3/2018 5:45 AM	8.26
9/1/2018 6:00 AM	8.20	9/2/2018 6:00 AM	8.20	9/3/2018 6:00 AM	8.25
9/1/2018 6:15 AM	8.19	9/2/2018 6:15 AM	8.20	9/3/2018 6:15 AM	8.25
9/1/2018 6:30 AM	8.19	9/2/2018 6:30 AM	8.23	9/3/2018 6:30 AM	8.25
9/1/2018 6:45 AM	8.19	9/2/2018 6:45 AM	8.25	9/3/2018 6:45 AM	8.25
9/1/2018 7:00 AM	8.19	9/2/2018 7:00 AM	8.25	9/3/2018 7:00 AM	8.25
9/1/2018 7:15 AM	8.19	9/2/2018 7:15 AM	8.25	9/3/2018 7:15 AM	8.25
9/1/2018 7:30 AM	8.19	9/2/2018 7:30 AM	8.24	9/3/2018 7:30 AM	8.22
9/1/2018 7:45 AM	8.20	9/2/2018 7:45 AM	8.24	9/3/2018 7:45 AM	8.20
9/1/2018 8:00 AM	8.22	9/2/2018 8:00 AM	8.23	9/3/2018 8:00 AM	8.19
9/1/2018 8:15 AM	8.23	9/2/2018 8:15 AM	8.23	9/3/2018 8:15 AM	8.18
9/1/2018 8:30 AM	8.23	9/2/2018 8:30 AM	8.24	9/3/2018 8:30 AM	8.17
9/1/2018 8:45 AM	8.22	9/2/2018 8:45 AM	8.24	9/3/2018 8:45 AM	8.15
9/1/2018 9:00 AM	8.22	9/2/2018 9:00 AM	8.20	9/3/2018 9:00 AM	8.13
9/1/2018 9:15 AM	8.21	9/2/2018 9:15 AM	8.19	9/3/2018 9:15 AM	8.14
9/1/2018 9:30 AM	8.22	9/2/2018 9:30 AM	8.19	9/3/2018 9:30 AM	8.14
9/1/2018 9:45 AM	8.23	9/2/2018 9:45 AM	8.18	9/3/2018 9:45 AM	8.13
9/1/2018 10:00 AM	8.22	9/2/2018 10:00 AM	8.15	9/3/2018 10:00 AM	8.12
9/1/2018 10:15 AM	8.23	9/2/2018 10:15 AM	8.13	9/3/2018 10:15 AM	8.12
9/1/2018 10:30 AM	8.20	9/2/2018 10:30 AM	8.10	9/3/2018 10:30 AM	8.13
9/1/2018 10:45 AM	8.19	9/2/2018 10:45 AM	8.08	9/3/2018 10:45 AM	8.13
9/1/2018 11:00 AM	8.18	9/2/2018 11:00 AM	8.08	9/3/2018 11:00 AM	8.13
9/1/2018 11:15 AM	8.16	9/2/2018 11:15 AM	8.10	9/3/2018 11:15 AM	8.14
9/1/2018 11:30 AM	8.12	9/2/2018 11:30 AM	8.11	9/3/2018 11:30 AM	8.14
9/1/2018 11:45 AM	8.12	9/2/2018 11:45 AM	8.14	9/3/2018 11:45 AM	8.16
9/1/2018 12:00 PM	8.15	9/2/2018 12:00 PM	8.15	9/3/2018 12:00 PM	8.10
9/1/2018 12:15 PM	8.13	9/2/2018 12:15 PM	8.16	9/3/2018 12:15 PM	8.11
9/1/2018 12:30 PM	8.14	9/2/2018 12:30 PM	8.16	9/3/2018 12:30 PM	8.11
9/1/2018 12:45 PM	8.17	9/2/2018 12:45 PM	8.18	9/3/2018 12:45 PM	8.11
9/1/2018 1:00 PM	8.18	9/2/2018 1:00 PM	8.18	9/3/2018 1:00 PM	8.09
9/1/2018 1:15 PM	8.22	9/2/2018 1:15 PM	8.17	9/3/2018 1:15 PM	8.06
9/1/2018 1:30 PM	8.23	9/2/2018 1:30 PM	8.11	9/3/2018 1:30 PM	8.06
9/1/2018 1:45 PM	8.23	9/2/2018 1:45 PM	8.14	9/3/2018 1:45 PM	8.05
9/1/2018 2:00 PM	8.23	9/2/2018 2:00 PM	8.13	9/3/2018 2:00 PM	8.08
9/1/2018 2:15 PM	8.23	9/2/2018 2:15 PM	8.09	9/3/2018 2:15 PM	8.13
9/1/2018 2:30 PM	8.22	9/2/2018 2:30 PM	8.06	9/3/2018 2:30 PM	8.17
9/1/2018 2:45 PM	8.21	9/2/2018 2:45 PM	8.04	9/3/2018 2:45 PM	8.20
9/1/2018 3:00 PM	8.19	9/2/2018 3:00 PM	8.02	9/3/2018 3:00 PM	8.19
9/1/2018 3:15 PM	8.23	9/2/2018 3:15 PM	8.12	9/3/2018 3:15 PM	8.20
9/1/2018 3:30 PM	8.22	9/2/2018 3:30 PM	8.18	9/3/2018 3:30 PM	8.22
9/1/2018 3:45 PM	8.21	9/2/2018 3:45 PM	8.21	9/3/2018 3:45 PM	8.23
9/1/2018 4:00 PM	8.21	9/2/2018 4:00 PM	8.22	9/3/2018 4:00 PM	8.23
9/1/2018 4:15 PM	8.21	9/2/2018 4:15 PM	8.23	9/3/2018 4:15 PM	8.23
9/1/2018 4:30 PM	8.21	9/2/2018 4:30 PM	8.23	9/3/2018 4:30 PM	8.23
9/1/2018 4:45 PM	8.21	9/2/2018 4:45 PM	8.23	9/3/2018 4:45 PM	8.26
9/1/2018 5:00 PM	8.21	9/2/2018 5:00 PM	8.23	9/3/2018 5:00 PM	8.26
9/1/2018 5:15 AM	8.23	9/2/2018 5:15 PM	8.23	9/3/2018 5:15 PM	8.25
9/1/2018 5:30 PM	8.23	9/2/2018 5:30 PM	8.23	9/3/2018 5:30 PM	8.24
9/1/2018 5:45 PM	8.23	9/2/2018 5:45 PM	8.23	9/3/2018 5:45 PM	8.24
9/1/2018 6:00 PM	8.22	9/2/2018 6:00 PM	8.24	9/3/2018 6:00 PM	8.23
9/1/2018 6:15 PM	8.22	9/2/2018 6:15 PM	8.26	9/3/2018 6:15 PM	8.21
9/1/2018 6:30 PM	8.22	9/2/2018 6:30 PM	8.24	9/3/2018 6:30 PM	8.18
9/1/2018 6:45 PM	8.22	9/2/2018 6:45 PM	8.24	9/3/2018 6:45 PM	8.19
9/1/2018 7:00 PM	8.22	9/2/2018 7:00 PM	8.23	9/3/2018 7:00 PM	8.23
9/1/2018 7:15 PM	8.22	9/2/2018 7:15 PM	8.22	9/3/2018 7:15 PM	8.26
9/1/2018 7:30 PM	8.21	9/2/2018 7:30 PM	8.22	9/3/2018 7:30 PM	8.27
9/1/2018 7:45 PM	8.21	9/2/2018 7:45 PM	8.21	9/3/2018 7:45 PM	8.27
9/1/2018 8:00 PM	8.21	9/2/2018 8:00 PM	8.21	9/3/2018 8:00 PM	8.27
9/1/2018 8:15 PM	8.20	9/2/2018 8:15 PM	8.22	9/3/2018 8:15 PM	8.27
9/1/2018 8:30 PM	8.21	9/2/2018 8:30 PM	8.23	9/3/2018 8:30 PM	8.27
9/1/2018 8:45 PM	8.20	9/2/2018 8:45 PM	8.23	9/3/2018 8:45 PM	8.27
9/1/2018 9:00 PM	8.20	9/2/2018 9:00 PM	8.23	9/3/2018 9:00 PM	8.28
9/1/2018 9:15 PM	8.22	9/2/2018 9:15 PM	8.23	9/3/2018 9:15 PM	8.27
9/1/2018 9:30 PM	8.23	9/2/2018 9:30 PM	8.23	9/3/2018 9:30 PM	8.27
9/1/2018 9:45 PM	8.24	9/2/2018 9:45 PM	8.23	9/3/2018 9:45 PM	8.27
9/1/2018 10:00 PM	8.24	9/2/2018 10:00 PM	8.23	9/3/2018 10:00 PM	8.26
9/1/2018 10:15 PM	8.23	9/2/2018 10:15 PM	8.23	9/3/2018 10:15 PM	8.26
9/1/2018 10:30 PM	8.23	9/2/2018 10:30 PM	8.23	9/3/2018 10:30 PM	8.26
9/1/2018 10:45 PM	8.23	9/2/2018 10:45 PM	8.22	9/3/2018 10:45 PM	8.26
9/1/2018 11:00 PM	8.23	9/2/2018 11:00 PM	8.22	9/3/2018 11:00 PM	8.26
9/1/2018 11:15 PM	8.23	9/2/2018 11:15 PM	8.22	9/3/2018 11:15 PM	8.27
9/1/2018 11:30 PM	8.23	9/2/2018 11:30 PM	8.22	9/3/2018 11:30 PM	8.28
9/1/2018 11:45 PM	8.23	9/2/2018 11:45 PM	8.22	9/3/2018 11:45 PM	8.28

AVG 8.21 AVG 8.20 AVG 8.21

Date And Time	pH	Date And Time	pH	Date And Time	pH
9/4/2018 12:00 AM	8.28	9/5/2018 12:00 AM	8.27	9/6/2018 12:00 AM	8.26
9/4/2018 12:15 AM	8.28	9/5/2018 12:15 AM	8.27	9/6/2018 12:15 AM	8.26
9/4/2018 12:30 AM	8.27	9/5/2018 12:30 AM	8.27	9/6/2018 12:30 AM	8.26
9/4/2018 12:45 AM	8.27	9/5/2018 12:45 AM	8.26	9/6/2018 12:45 AM	8.28
9/4/2018 1:00 AM	8.27	9/5/2018 1:00 AM	8.26	9/6/2018 1:00 AM	8.29
9/4/2018 1:15 AM	8.27	9/5/2018 1:15 AM	8.26	9/6/2018 1:15 AM	8.29
9/4/2018 1:30 AM	8.26	9/5/2018 1:30 AM	8.26	9/6/2018 1:30 AM	8.29
9/4/2018 1:45 AM	8.26	9/5/2018 1:45 AM	8.26	9/6/2018 1:45 AM	8.29
9/4/2018 2:00 AM	8.26	9/5/2018 2:00 AM	8.28	9/6/2018 2:00 AM	8.29
9/4/2018 2:15 AM	8.26	9/5/2018 2:15 AM	8.29	9/6/2018 2:15 AM	8.28
9/4/2018 2:30 AM	8.26	9/5/2018 2:30 AM	8.29	9/6/2018 2:30 AM	8.28
9/4/2018 2:45 AM	8.26	9/5/2018 2:45 AM	8.29	9/6/2018 2:45 AM	8.28
9/4/2018 3:00 AM	8.26	9/5/2018 3:00 AM	8.29	9/6/2018 3:00 AM	8.26
9/4/2018 3:15 AM	8.27	9/5/2018 3:15 AM	8.29	9/6/2018 3:15 AM	8.26
9/4/2018 3:30 AM	8.29	9/5/2018 3:30 AM	8.28	9/6/2018 3:30 AM	8.25
9/4/2018 3:45 AM	8.29	9/5/2018 3:45 AM	8.28	9/6/2018 3:45 AM	8.25
9/4/2018 4:00 AM	8.29	9/5/2018 4:00 AM	8.28	9/6/2018 4:00 AM	8.25
9/4/2018 4:15 AM	8.28	9/5/2018 4:15 AM	8.28	9/6/2018 4:15 AM	8.25
9/4/2018 4:30 AM	8.28	9/5/2018 4:30 AM	8.26	9/6/2018 4:30 AM	8.25
9/4/2018 4:45 AM	8.28	9/5/2018 4:45 AM	8.26	9/6/2018 4:45 AM	8.27
9/4/2018 5:00 AM	8.28	9/5/2018 5:00 AM	8.26	9/6/2018 5:00 AM	8.29
9/4/2018 5:15 AM	8.28	9/5/2018 5:15 AM	8.26	9/6/2018 5:15 AM	8.29
9/4/2018 5:30 AM	8.28	9/5/2018 5:30 AM	8.25	9/6/2018 5:30 AM	8.29
9/4/2018 5:45 AM	8.28	9/5/2018 5:45 AM	8.25	9/6/2018 5:45 AM	8.28
9/4/2018 6:00 AM	8.26	9/5/2018 6:00 AM	8.25	9/6/2018 6:00 AM	8.28
9/4/2018 6:15 AM	8.25	9/5/2018 6:15 AM	8.25	9/6/2018 6:15 AM	8.28
9/4/2018 6:30 AM	8.25	9/5/2018 6:30 AM	8.28	9/6/2018 6:30 AM	8.28
9/4/2018 6:45 AM	8.25	9/5/2018 6:45 AM	8.29	9/6/2018 6:45 AM	8.28
9/4/2018 7:00 AM	8.25	9/5/2018 7:00 AM	8.30	9/6/2018 7:00 AM	8.27
9/4/2018 7:15 AM	8.25	9/5/2018 7:15 AM	8.29	9/6/2018 7:15 AM	8.27
9/4/2018 7:30 AM	8.24	9/5/2018 7:30 AM	8.29	9/6/2018 7:30 AM	8.25
9/4/2018 7:45 AM	8.23	9/5/2018 7:45 AM	8.28	9/6/2018 7:45 AM	8.23
9/4/2018 8:00 AM	8.24	9/5/2018 8:00 AM	8.27	9/6/2018 8:00 AM	8.22
9/4/2018 8:15 AM	8.24	9/5/2018 8:15 AM	8.26	9/6/2018 8:15 AM	8.21
9/4/2018 8:30 AM	8.24	9/5/2018 8:30 AM	8.26	9/6/2018 8:30 AM	8.19
9/4/2018 8:45 AM	8.24	9/5/2018 8:45 AM	8.26	9/6/2018 8:45 AM	8.18
9/4/2018 9:00 AM	8.24	9/5/2018 9:00 AM	8.24	9/6/2018 9:00 AM	8.17
9/4/2018 9:15 AM	8.22	9/5/2018 9:15 AM	8.23	9/6/2018 9:15 AM	8.18
9/4/2018 9:30 AM	8.20	9/5/2018 9:30 AM	8.21	9/6/2018 9:30 AM	8.21
9/4/2018 9:45 AM	8.18	9/5/2018 9:45 AM	8.20	9/6/2018 9:45 AM	8.21
9/4/2018 10:00 AM	8.17	9/5/2018 10:00 AM	8.19	9/6/2018 10:00 AM	8.20
9/4/2018 10:15 AM	8.18	9/5/2018 10:15 AM	8.18	9/6/2018 10:15 AM	8.19
9/4/2018 10:30 AM	8.13	9/5/2018 10:30 AM	8.13	9/6/2018 10:30 AM	8.18
9/4/2018 10:45 AM	8.13	9/5/2018 10:45 AM	8.11	9/6/2018 10:45 AM	8.18
9/4/2018 11:00 AM	8.11	9/5/2018 11:00 AM	8.10	9/6/2018 11:00 AM	8.19
9/4/2018 11:15 AM	8.10	9/5/2018 11:15 AM	8.12	9/6/2018 11:15 AM	8.20
9/4/2018 11:30 AM	8.09	9/5/2018 11:30 AM	8.14	9/6/2018 11:30 AM	8.21
9/4/2018 11:45 AM	8.07	9/5/2018 11:45 AM	8.16	9/6/2018 11:45 AM	8.20
9/4/2018 12:00 PM	8.06	9/5/2018 12:00 PM	8.18	9/6/2018 12:00 PM	8.13
9/4/2018 12:15 PM	8.06	9/5/2018 12:15 PM	8.19	9/6/2018 12:15 PM	8.13
9/4/2018 12:30 PM	8.12	9/5/2018 12:30 PM	8.19	9/6/2018 12:30 PM	8.11
9/4/2018 12:45 PM	8.16	9/5/2018 12:45 PM	8.20	9/6/2018 12:45 PM	8.12
9/4/2018 1:00 PM	8.19	9/5/2018 1:00 PM	8.21	9/6/2018 1:00 PM	8.10
9/4/2018 1:15 PM	8.21	9/5/2018 1:15 PM	8.22	9/6/2018 1:15 PM	8.07
9/4/2018 1:30 PM	8.21	9/5/2018 1:30 PM	8.14	9/6/2018 1:30 PM	8.06
9/4/2018 1:45 PM	8.22	9/5/2018 1:45 PM	8.19	9/6/2018 1:45 PM	8.09
9/4/2018 2:00 PM	8.22	9/5/2018 2:00 PM	8.22	9/6/2018 2:00 PM	8.17
9/4/2018 2:15 PM	8.24	9/5/2018 2:15 PM	8.19	9/6/2018 2:15 PM	8.19
9/4/2018 2:30 PM	8.24	9/5/2018 2:30 PM	8.19	9/6/2018 2:30 PM	8.22
9/4/2018 2:45 PM	8.24	9/5/2018 2:45 PM	8.18	9/6/2018 2:45 PM	8.23
9/4/2018 3:00 PM	8.24	9/5/2018 3:00 PM	8.19	9/6/2018 3:00 PM	8.21
9/4/2018 3:15 PM	8.29	9/5/2018 3:15 PM	8.19	9/6/2018 3:15 PM	8.22
9/4/2018 3:30 PM	8.29	9/5/2018 3:30 PM	8.22	9/6/2018 3:30 PM	8.25
9/4/2018 3:45 PM	8.29	9/5/2018 3:45 PM	8.24	9/6/2018 3:45 PM	8.25
9/4/2018 4:00 PM	8.28	9/5/2018 4:00 PM	8.26	9/6/2018 4:00 PM	8.24
9/4/2018 4:15 PM	8.23	9/5/2018 4:15 PM	8.27	9/6/2018 4:15 PM	8.24
9/4/2018 4:30 PM	8.23	9/5/2018 4:30 PM	8.28	9/6/2018 4:30 PM	8.25
9/4/2018 4:45 PM	8.23	9/5/2018 4:45 PM	8.28	9/6/2018 4:45 PM	8.28
9/4/2018 5:00 PM	8.23	9/5/2018 5:00 PM	8.28	9/6/2018 5:00 PM	8.27
9/4/2018 5:15 PM	8.24	9/5/2018 5:15 PM	8.29	9/6/2018 5:15 PM	8.26
9/4/2018 5:30 PM	8.25	9/5/2018 5:30 PM	8.28	9/6/2018 5:30 PM	8.25
9/4/2018 5:45 PM	8.26	9/5/2018 5:45 PM	8.28	9/6/2018 5:45 PM	8.24
9/4/2018 6:00 PM	8.27	9/5/2018 6:00 PM	8.29	9/6/2018 6:00 PM	8.23
9/4/2018 6:15 PM	8.22	9/5/2018 6:15 PM	8.29	9/6/2018 6:15 PM	8.23
9/4/2018 6:30 PM	8.21	9/5/2018 6:30 PM	8.27	9/6/2018 6:30 PM	8.22
9/4/2018 6:45 PM	8.22	9/5/2018 6:45 PM	8.26	9/6/2018 6:45 PM	8.24
9/4/2018 7:00 PM	8.24	9/5/2018 7:00 PM	8.26	9/6/2018 7:00 PM	8.25
9/4/2018 7:15 PM	8.26	9/5/2018 7:15 PM	8.26	9/6/2018 7:15 PM	8.27
9/4/2018 7:30 PM	8.27	9/5/2018 7:30 PM	8.27	9/6/2018 7:30 PM	8.27
9/4/2018 7:45 PM	8.28	9/5/2018 7:45 PM	8.27	9/6/2018 7:45 PM	8.26
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9/4/2018 8:15 PM	8.28	9/5/2018 8:15 PM	8.27	9/6/2018 8:15 PM	8.26
9/4/2018 8:30 PM	8.27	9/5/2018 8:30 PM	8.28	9/6/2018 8:30 PM	8.26
9/4/2018 8:45 PM	8.27	9/5/2018 8:45 PM	8.28	9/6/2018 8:45 PM	8.26
9/4/2018 9:00 PM	8.27	9/5/2018 9:00 PM	8.28	9/6/2018 9:00 PM	8.26
9/4/2018 9:15 PM	8.26	9/5/2018 9:15 PM	8.29	9/6/2018 9:15 PM	8.26
9/4/2018 9:30 PM	8.27	9/5/2018 9:30 PM	8.28	9/6/2018 9:30 PM	8.25
9/4/2018 9:45 PM	8.28	9/5/2018 9:45 PM	8.28	9/6/2018 9:45 PM	8.25
9/4/2018 10:00 PM	8.28	9/5/2018 10:00 PM	8.28	9/6/2018 10:00 PM	8.25
9/4/2018 10:15 PM	8.28	9/5/2018 10:15 PM	8.28	9/6/2018 10:15 PM	8.24
9/4/2018 10:30 PM	8.28	9/5/2018 10:30 PM	8.28	9/6/2018 10:30 PM	8.24
9/4/2018 10:45 PM	8.28	9/5/2018 10:45 PM	8.27	9/6/2018 10:45 PM	8.23
9/4/2018 11:00 PM	8.28	9/5/2018 11:00 PM	8.27	9/6/2018 11:00 PM	8.25
9/4/2018 11:15 PM	8.28	9/5/2018 11:15 PM	8.27	9/6/2018 11:15 PM	8.26
9/4/2018 11:30 PM	8.28	9/5/2018 11:30 PM	8.26	9/6/2018 11:30 PM	8.26
9/4/2018 11:45 PM	8.28	9/5/2018 11:46 PM	8.26	9/6/2018 11:45 PM	8.26

AVG 8.24 AVG 8.25 AVG 8.23

AVG 8.25 AVG 8.24 AVG 8.24

Date And Time	pH	Date And Time	pH	Date And Time	pH
9/10/2018 12:00 AM	8.27	9/11/2018 12:00 AM	8.24	9/12/2018 12:00 AM	8.23
9/10/2018 12:15 AM	8.27	9/11/2018 12:15 AM	8.23	9/12/2018 12:15 AM	8.23
9/10/2018 12:30 AM	8.27	9/11/2018 12:30 AM	8.23	9/12/2018 12:30 AM	8.28
9/10/2018 12:45 AM	8.27	9/11/2018 12:45 AM	8.24	9/12/2018 12:45 AM	8.30
9/10/2018 1:00 AM	8.28	9/11/2018 1:00 AM	8.24	9/12/2018 1:00 AM	8.31
9/10/2018 1:15 AM	8.28	9/11/2018 1:15 AM	8.24	9/12/2018 1:15 AM	8.30
9/10/2018 1:30 AM	8.21	9/11/2018 1:30 AM	8.24	9/12/2018 1:30 AM	8.29
9/10/2018 1:45 AM	8.21	9/11/2018 1:45 AM	8.24	9/12/2018 1:45 AM	8.28
9/10/2018 2:00 AM	8.21	9/11/2018 2:00 AM	8.28	9/12/2018 2:00 AM	8.28
9/10/2018 2:15 AM	8.22	9/11/2018 2:15 AM	8.31	9/12/2018 2:15 AM	8.28
9/10/2018 2:30 AM	8.22	9/11/2018 2:30 AM	8.31	9/12/2018 2:30 AM	8.28
9/10/2018 2:45 AM	8.22	9/11/2018 2:45 AM	8.31	9/12/2018 2:45 AM	8.28
9/10/2018 3:00 AM	8.22	9/11/2018 3:00 AM	8.29	9/12/2018 3:00 AM	8.24
9/10/2018 3:15 AM	8.28	9/11/2018 3:15 AM	8.29	9/12/2018 3:15 AM	8.23
9/10/2018 3:30 AM	8.29	9/11/2018 3:30 AM	8.29	9/12/2018 3:30 AM	8.23
9/10/2018 3:45 AM	8.28	9/11/2018 3:45 AM	8.29	9/12/2018 3:45 AM	8.23
9/10/2018 4:00 AM	8.28	9/11/2018 4:00 AM	8.29	9/12/2018 4:00 AM	8.23
9/10/2018 4:15 AM	8.27	9/11/2018 4:15 AM	8.29	9/12/2018 4:15 AM	8.24
9/10/2018 4:30 AM	8.27	9/11/2018 4:30 AM	8.24	9/12/2018 4:30 AM	8.24
9/10/2018 4:45 AM	8.28	9/11/2018 4:45 AM	8.24	9/12/2018 4:45 AM	8.29
9/10/2018 5:00 AM	8.28	9/11/2018 5:00 AM	8.24	9/12/2018 5:00 AM	8.31
9/10/2018 5:15 AM	8.28	9/11/2018 5:15 AM	8.24	9/12/2018 5:15 AM	8.31
9/10/2018 5:30 AM	8.28	9/11/2018 5:30 AM	8.24	9/12/2018 5:30 AM	8.31
9/10/2018 5:45 AM	8.28	9/11/2018 5:45 AM	8.24	9/12/2018 5:45 AM	8.30
9/10/2018 6:00 AM	8.22	9/11/2018 6:00 AM	8.24	9/12/2018 6:00 AM	8.29
9/10/2018 6:15 AM	8.22	9/11/2018 6:15 AM	8.24	9/12/2018 6:15 AM	8.28
9/10/2018 6:30 AM	8.22	9/11/2018 6:30 AM	8.28	9/12/2018 6:30 AM	8.28
9/10/2018 6:45 AM	8.22	9/11/2018 6:45 AM	8.31	9/12/2018 6:45 AM	8.28
9/10/2018 7:00 AM	8.22	9/11/2018 7:00 AM	8.31	9/12/2018 7:00 AM	8.28
9/10/2018 7:15 AM	8.23	9/11/2018 7:15 AM	8.31	9/12/2018 7:15 AM	8.29
9/10/2018 7:30 AM	8.23	9/11/2018 7:30 AM	8.30	9/12/2018 7:30 AM	8.24
9/10/2018 7:45 AM	8.24	9/11/2018 7:45 AM	8.29	9/12/2018 7:45 AM	8.23
9/10/2018 8:00 AM	8.29	9/11/2018 8:00 AM	8.29	9/12/2018 8:00 AM	8.23
9/10/2018 8:15 AM	8.30	9/11/2018 8:15 AM	8.28	9/12/2018 8:15 AM	8.23
9/10/2018 8:30 AM	8.29	9/11/2018 8:30 AM	8.28	9/12/2018 8:30 AM	8.23
9/10/2018 8:45 AM	8.28	9/11/2018 8:45 AM	8.29	9/12/2018 8:45 AM	8.23
9/10/2018 9:00 AM	8.28	9/11/2018 9:00 AM	8.24	9/12/2018 9:00 AM	8.23
9/10/2018 9:15 AM	8.28	9/11/2018 9:15 AM	8.24	9/12/2018 9:15 AM	8.23
9/10/2018 9:30 AM	8.28	9/11/2018 9:30 AM	8.24	9/12/2018 9:30 AM	8.29
9/10/2018 9:45 AM	8.28	9/11/2018 9:45 AM	8.24	9/12/2018 9:45 AM	8.31
9/10/2018 10:00 AM	8.28	9/11/2018 10:00 AM	8.24	9/12/2018 10:00 AM	8.31
9/10/2018 10:15 AM	8.29	9/11/2018 10:15 AM	8.27	9/12/2018 10:15 PM	8.22
9/10/2018 10:30 PM	8.28	9/11/2018 10:30 PM	8.23	9/12/2018 10:30 PM	8.22
9/10/2018 10:45 PM	8.28	9/11/2018 10:45 PM	8.23	9/12/2018 10:45 PM	8.25
9/10/2018 11:00 PM	8.28	9/11/2018 11:00 PM	8.23	9/12/2018 11:00 PM	8.28
9/10/2018 11:15 PM	8.28	9/11/2018 11:15 PM	8.23	9/12/2018 11:15 PM	8.29
9/10/2018 11:30 PM	8.28	9/11/2018 11:30 PM	8.23	9/12/2018 11:30 PM	8.29
9/10/2018 11:45 PM	8.28	9/11/2018 11:45 PM	8.23	9/12/2018 11:45 PM	8.28

AVG 8.26 AVG 8.27 AVG 8.26

Date And Time	pH	Date And Time	pH	Date And Time	pH
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9/13/2018 12:15 AM	8.27	9/14/2018 12:15 AM	8.18	9/15/2018 12:15 AM	8.16
9/13/2018 12:30 AM	8.27	9/14/2018 12:30 AM	8.18	9/15/2018 12:30 AM	8.21
9/13/2018 12:45 AM	8.26	9/14/2018 12:45 AM	8.18	9/15/2018 12:45 AM	8.22
9/13/2018 1:00 AM	8.26	9/14/2018 1:00 AM	8.18	9/15/2018 1:00 AM	8.22
9/13/2018 1:15 AM	8.26	9/14/2018 1:15 AM	8.17	9/15/2018 1:15 AM	8.21
9/13/2018 1:30 AM	8.22	9/14/2018 1:30 AM	8.17	9/15/2018 1:30 AM	8.21
9/13/2018 1:45 AM	8.21	9/14/2018 1:45 AM	8.17	9/15/2018 1:45 AM	8.21
9/13/2018 2:00 AM	8.21	9/14/2018 2:00 AM	8.19	9/15/2018 2:00 AM	8.20
9/13/2018 2:15 AM	8.21	9/14/2018 2:15 AM	8.22	9/15/2018 2:15 AM	8.20
9/13/2018 2:30 AM	8.21	9/14/2018 2:30 AM	8.23	9/15/2018 2:30 AM	8.20
9/13/2018 2:45 AM	8.21	9/14/2018 2:45 AM	8.24	9/15/2018 2:45 AM	8.20
9/13/2018 3:00 AM	8.21	9/14/2018 3:00 AM	8.24	9/15/2018 3:00 AM	8.16
9/13/2018 3:15 AM	8.21	9/14/2018 3:15 AM	8.23	9/15/2018 3:15 AM	8.14
9/13/2018 3:30 AM	8.24	9/14/2018 3:30 AM	8.23	9/15/2018 3:30 AM	8.14
9/13/2018 3:45 AM	8.27	9/14/2018 3:45 AM	8.23	9/15/2018 3:45 AM	8.14
9/13/2018 4:00 AM	8.28	9/14/2018 4:00 AM	8.23	9/15/2018 4:00 AM	8.14
9/13/2018 4:15 AM	8.28	9/14/2018 4:15 AM	8.23	9/15/2018 4:15 AM	8.14
9/13/2018 4:30 AM	8.27	9/14/2018 4:30 AM	8.18	9/15/2018 4:30 AM	8.14
9/13/2018 4:45 AM	8.27	9/14/2018 4:45 AM	8.18	9/15/2018 4:45 AM	8.14
9/13/2018 5:00 AM	8.27	9/14/2018 5:00 AM	8.18	9/15/2018 5:00 AM	8.18
9/13/2018 5:15 AM	8.27	9/14/2018 5:15 AM	8.18	9/15/2018 5:15 AM	8.22
9/13/2018 5:30 AM	8.27	9/14/2018 5:30 AM	8.17	9/15/2018 5:30 AM	8.23
9/13/2018 5:45 AM	8.26	9/14/2018 5:45 AM	8.17	9/15/2018 5:45 AM	8.23
9/13/2018 6:00 AM	8.22	9/14/2018 6:00 AM	8.17	9/15/2018 6:00 AM	8.22
9/13/2018 6:15 AM	8.21	9/14/2018 6:15 AM	8.23	9/15/2018 6:15 AM	8.21
9/13/2018 6:30 AM	8.20	9/14/2018 6:30 AM	8.24	9/15/2018 6:30 AM	8.20
9/13/2018 6:45 AM	8.20	9/14/2018 6:45 AM	8.25	9/15/2018 6:45 AM	8.20
9/13/2018 7:00 AM	8.20	9/14/2018 7:00 AM	8.24	9/15/2018 7:00 AM	8.20
9/13/2018 7:15 AM	8.20	9/14/2018 7:15 AM	8.23	9/15/2018 7:15 AM	8.20
9/13/2018 7:30 AM	8.20	9/14/2018 7:30 AM	8.23	9/15/2018 7:30 AM	8.15
9/13/2018 7:45 AM	8.20	9/14/2018 7:45 AM	8.23	9/15/2018 7:45 AM	8.14
9/13/2018 8:00 AM	8.24	9/14/2018 8:00 AM	8.23	9/15/2018 8:00 AM	8.13
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9/13/2018 8:45 AM	8.29	9/14/2018 8:45 AM	8.23	9/15/2018 8:45 AM	8.13
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9/13/2018 10:00 AM	8.27	9/14/2018 10:00 AM	8.16	9/15/2018 10:00 AM	8.23
9/13/2018 10:15 AM	8.27	9/14/2018 10:15 AM	8.16	9/15/2018 10:15 AM	8.23
9/13/2018 10:30 AM	8.23	9/14/2018 10:30 AM	8.16	9/15/2018 10:30 AM	8.22
9/13/2018 10:45 AM	8.20	9/14/2018 10:45 AM	8.16	9/15/2018 10:45 AM	8.22
9/13/2018 11:00 AM	8.19	9/14/2018 11:00 AM	8.20	9/15/2018 11:00 AM	8.21
9/13/2018 11:15 AM	8.18	9/14/2018 11:15 AM	8.23	9/15/2018 11:15 AM	8.21
9/13/2018 11:30 AM	8.17	9/14/2018 11:30 AM	8.24	9/15/2018 11:30 AM	8.21
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9/13/2018 12:00 PM	8.16	9/14/2018 12:00 PM	8.25	9/15/2018 12:00 PM	8.15
9/13/2018 12:15 PM	8.20	9/14/2018 12:15 PM	8.24	9/15/2018 12:15 PM	8.13
9/13/2018 12:30 PM	8.23	9/14/2018 12:30 PM	8.25	9/15/2018 12:30 PM	8.12
9/13/2018 12:45 PM	8.24	9/14/2018 12:45 PM	8.25	9/15/2018 12:45 PM	8.12
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9/13/2018 1:15 PM	8.27	9/14/2018 1:15 PM	8.24	9/15/2018 1:15 PM	8.12
9/13/2018 1:30 PM	8.26	9/14/2018 1:30 PM	8.19	9/15/2018 1:30 PM	8.12
9/13/2018 1:45 PM	8.28	9/14/2018 1:45 PM	8.17	9/15/2018 1:45 PM	8.17
9/13/2018 2:00 PM	8.28	9/14/2018 2:00 PM	8.16	9/15/2018 2:00 PM	8.20
9/13/2018 2:15 PM	8.27	9/14/2018 2:15 PM	8.15	9/15/2018 2:15 PM	8.21
9/13/2018 2:30 PM	8.25	9/14/2018 2:30 PM	8.15	9/15/2018 2:30 PM	8.21
9/13/2018 2:45 PM	8.25	9/14/2018 2:45 PM	8.15	9/15/2018 2:45 PM	8.21
9/13/2018 3:00 PM	8.23	9/14/2018 3:00 PM	8.15	9/15/2018 3:00 PM	8.21
9/13/2018 3:15 PM	8.21	9/14/2018 3:15 PM	8.16	9/15/2018 3:15 PM	8.21
9/13/2018 3:30 PM	8.20	9/14/2018 3:30 PM	8.20	9/15/2018 3:30 PM	8.21
9/13/2018 3:45 PM	8.19	9/14/2018 3:45 PM	8.22	9/15/2018 3:45 PM	8.22
9/13/2018 4:00 PM	8.19	9/14/2018 4:00 PM	8.23	9/15/2018 4:00 PM	8.22
9/13/2018 4:15 PM	8.18	9/14/2018 4:15 PM	8.24	9/15/2018 4:15 PM	8.22
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9/13/2018 5:00 PM	8.20	9/14/2018 5:00 PM	8.23	9/15/2018 5:00 PM	8.13
9/13/2018 5:15 PM	8.24	9/14/2018 5:15 PM	8.23	9/15/2018 5:15 PM	8.13
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9/13/2018 5:45 PM	8.26	9/14/2018 5:45 PM	8.20	9/15/2018 5:45 PM	8.12
9/13/2018 6:00 PM	8.27	9/14/2018 6:00 PM	8.18	9/15/2018 6:00 PM	8.12
9/13/2018 6:15 PM	8.26	9/14/2018 6:15 PM	8.16	9/15/2018 6:15 PM	8.11
9/13/2018 6:30 PM	8.25	9/14/2018 6:30 PM	8.16	9/15/2018 6:30 PM	8.15
9/13/2018 6:45 PM	8.24	9/14/2018 6:45 PM	8.16	9/15/2018 6:45 PM	8.18
9/13/2018 7:00 PM	8.23	9/14/2018 7:00 PM	8.16	9/15/2018 7:00 PM	8.19
9/13/2018 7:15 PM	8.23	9/14/2018 7:15 PM	8.15	9/15/2018 7:15 PM	8.19
9/13/2018 7:30 PM	8.23	9/14/2018 7:30 PM	8.15	9/15/2018 7:30 PM	8.19
9/13/2018 7:45 PM	8.23	9/14/2018 7:45 PM	8.16	9/15/2018 7:45 PM	8.19
9/13/2018 8:00 PM	8.23	9/14/2018 8:00 PM	8.21	9/15/2018 8:00 PM	8.19
9/13/2018 8:15 PM	8.23	9/14/2018 8:15 PM	8.22	9/15/2018 8:15 PM	8.18
9/13/2018 8:30 PM	8.23	9/14/2018 8:30 PM	8.23	9/15/2018 8:30 PM	8.18
9/13/2018 8:45 PM	8.24	9/14/2018 8:45 PM	8.23	9/15/2018 8:45 PM	8.18
9/13/2018 9:00 PM	8.20	9/14/2018 9:00 PM	8.22	9/15/2018 9:00 PM	8.18
9/13/2018 9:15 PM	8.19	9/14/2018 9:15 PM	8.22	9/15/2018 9:15 PM	8.18
9/13/2018 9:30 PM	8.19	9/14/2018 9:30 PM	8.21	9/15/2018 9:30 PM	8.18
9/13/2018 9:45 PM	8.19	9/14/2018 9:45 PM	8.21	9/15/2018 9:45 PM	8.18
9/13/2018 10:00 PM	8.21	9/14/2018 10:00 PM	8.20	9/15/2018 10:00 PM	8.17
9/13/2018 10:15 PM	8.21	9/14/2018 10:15 PM	8.20	9/15/2018 10:15 PM	8.17
9/13/2018 10:30 PM	8.21	9/14/2018 10:30 PM	8.17	9/15/2018 10:30 PM	8.13
9/13/2018 10:45 PM	8.21	9/14/2018 10:45 PM	8.15	9/15/2018 10:45 PM	8.12
9/13/2018 11:00 PM	8.21	9/14/2018 11:00 PM	8.15	9/15/2018 11:00 PM	8.12
9/13/2018 11:15 PM	8.21	9/14/2018 11:15 PM	8.14	9/15/2018 11:15 PM	8.14
9/13/2018 11:30 PM	8.21	9/14/2018 11:30 PM	8.14	9/15/2018 11:30 PM	8.17
9/13/2018 11:45 PM	8.21	9/14/2018 11:45 PM	8.14	9/15/2018 11:45 PM	8.18

AVG 8.23 AVG 8.20 AVG 8.17

Date And Time	pH	Date And Time	pH	Date And Time	pH
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9/16/2018 12:15 AM	8.18	9/17/2018 12:15 AM	8.09	9/18/2018 12:15 AM	8.07
9/16/2018 12:30 AM	8.17	9/17/2018 12:30 AM	8.08	9/18/2018 12:30 AM	8.07
9/16/2018 12:45 AM	8.16	9/17/2018 12:45 AM	8.08	9/18/2018 12:45 AM	8.09
9/16/2018 1:00 AM	8.16	9/17/2018 1:00 AM	8.08	9/18/2018 1:00 AM	8.12
9/16/2018 1:15 AM	8.16	9/17/2018 1:15 AM	8.08	9/18/2018 1:15 AM	8.12
9/16/2018 1:30 AM	8.12	9/17/2018 1:30 AM	8.08	9/18/2018 1:30 AM	8.13
9/16/2018 1:45 AM	8.11	9/17/2018 1:45 AM	8.11	9/18/2018 1:45 AM	8.12
9/16/2018 2:00 AM	8.11	9/17/2018 2:00 AM	8.15	9/18/2018 2:00 AM	8.11
9/16/2018 2:15 AM	8.11	9/17/2018 2:15 AM	8.17	9/18/2018 2:15 AM	8.11
9/16/2018 2:30 AM	8.11	9/17/2018 2:30 AM	8.17	9/18/2018 2:30 AM	8.11
9/16/2018 2:45 AM	8.12	9/17/2018 2:45 AM	8.17	9/18/2018 2:45 AM	8.10
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9/16/2018 3:15 AM	8.12	9/17/2018 3:15 AM	8.15	9/18/2018 3:15 AM	8.06
9/16/2018 3:30 AM	8.16	9/17/2018 3:30 AM	8.14	9/18/2018 3:30 AM	8.06
9/16/2018 3:45 AM	8.19	9/17/2018 3:45 AM	8.14	9/18/2018 3:45 AM	8.06
9/16/2018 4:00 AM	8.20	9/17/2018 4:00 AM	8.13	9/18/2018 4:00 AM	8.05
9/16/2018 4:15 AM	8.20	9/17/2018 4:15 AM	8.14	9/18/2018 4:15 AM	8.06
9/16/2018 4:30 AM	8.19	9/17/2018 4:30 AM	8.09	9/18/2018 4:30 AM	8.06
9/16/2018 4:45 AM	8.18	9/17/2018 4:45 AM	8.08	9/18/2018 4:45 AM	8.06
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9/16/2018 5:15 AM	8.17	9/17/2018 5:15 AM	8.08	9/18/2018 5:15 AM	8.13
9/16/2018 5:30 AM	8.17	9/17/2018 5:30 AM	8.08	9/18/2018 5:30 AM	8.14
9/16/2018 5:45 AM	8.17	9/17/2018 5:45 AM	8.08	9/18/2018 5:45 AM	8.14
9/16/2018 6:00 AM	8.13	9/17/2018 6:00 AM	8.08	9/18/2018 6:00 AM	8.14
9/16/2018 6:15 AM	8.12	9/17/2018 6:15 AM	8.07	9/18/2018 6:15 AM	8.13
9/16/2018 6:30 AM	8.12	9/17/2018 6:30 AM	8.12	9/18/2018 6:30 AM	8.12
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9/16/2018 7:30 AM	8.12	9/17/2018 7:30 AM	8.15	9/18/2018 7:30 AM	8.07
9/16/2018 7:45 AM	8.18	9/17/2018 7:45 AM	8.14	9/18/2018 7:45 AM	8.05
9/16/2018 8:00 AM	8.20	9/17/2018 8:00 AM	8.13	9/18/2018 8:00 AM	8.05
9/16/2018 8:15 AM	8.21	9/17/2018 8:15 AM	8.13	9/18/2018 8:15 AM	8.05
9/16/2018 8:30 AM	8.20	9/17/2018 8:30 AM	8.13	9/18/2018 8:30 AM	8.05
9/16/2018 8:45 AM	8.19	9/17/2018 8:45 AM	8.12	9/18/2018 8:45 AM	8.04
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9/16/2018 11:30 AM	8.09	9/17/2018 11:30 AM	8.16	9/18/2018 11:30 AM	8.11
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9/16/2018 12:45 PM	8.19	9/17/2018 12:45 PM	8.15	9/18/2018 12:45 PM	8.04
9/16/2018 1:00 PM	8.19	9/17/2018 1:00 PM	8.15	9/18/2018 1:00 PM	8.03
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9/16/2018 2:45 PM	8.19	9/17/2018 2:45 PM	8.04	9/18/2018 2:45 PM	8.13
9/16/2018 3:00 PM	8.14	9/17/2018 3:00 PM	8.01	9/18/2018 3:00 PM	8.16
9/16/2018 3:15 PM	8.11	9/17/2018 3:15 PM	8.08	9/18/2018 3:15 PM	8.15
9/16/2018 3:30 PM	8.09	9/17/2018 3:30 PM	8.12	9/18/2018 3:30 PM	8.15
9/16/2018 3:45 PM	8.09	9/17/2018 3:45 PM	8.14	9/18/2018 3:45 PM	8.15
9/16/2018 4:00 PM	8.10	9/17/2018 4:00 PM	8.15	9/18/2018 4:00 PM	8.15
9/16/2018 4:15 PM	8.09	9/17/2018 4:15 PM	8.14	9/18/2018 4:15 PM	8.14
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9/16/2018 5:15 PM	8.14	9/17/2018 5:15 PM	8.17	9/18/2018 5:15 PM	8.03
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9/16/2018 6:15 PM	8.18	9/17/2018 6:15 PM	8.10	9/18/2018 6:15 PM	8.01
9/16/2018 6:30 PM	8.17	9/17/2018 6:30 PM	8.09	9/18/2018 6:30 PM	8.04
9/16/2018 6:45 PM	8.16	9/17/2018 6:45 PM	8.08	9/18/2018 6:45 PM	8.08
9/16/2018 7:00 PM	8.15	9/17/2018 7:00 PM	8.08	9/18/2018 7:00 PM	8.10
9/16/2018 7:15 PM	8.15	9/17/2018 7:15 PM	8.08	9/18/2018 7:15 PM	8.12
9/16/2018 7:30 PM	8.12	9/17/2018 7:30 PM	8.08	9/18/2018 7:30 PM	8.12
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9/16/2018 8:00 PM	8.11	9/17/2018 8:00 PM	8.10	9/18/2018 8:00 PM	8.12
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9/16/2018 8:45 PM	8.10	9/17/2018 8:45 PM	8.12	9/18/2018 8:45 PM	8.11
9/16/2018 9:00 PM	8.10	9/17/2018 9:00 PM	8.12	9/18/2018 9:00 PM	8.09
9/16/2018 9:15 PM	8.09	9/17/2018 9:15 PM	8.12	9/18/2018 9:15 PM	8.08
9/16/2018 9:30 PM	8.15	9/17/2018 9:30 PM	8.12	9/18/2018 9:30 PM	8.08
9/16/2018 9:45 PM	8.16	9/17/2018 9:45 PM	8.11	9/18/2018 9:45 PM	8.08
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9/16/2018 10:45 PM	8.15	9/17/2018 10:45 PM	8.11	9/18/2018 10:45 PM	8.07
9/16/2018 11:00 PM	8.15	9/17/2018 11:00 PM	8.11	9/18/2018 11:00 PM	8.08
9/16/2018 11:15 PM	8.14	9/17/2018 11:15 PM	8.11	9/18/2018 11:15 PM	8.12
9/16/2018 11:30 PM	8.14	9/17/2018 11:30 PM	8.11	9/18/2018 11:30 PM	8.14
9/16/2018 11:45 PM	8.14	9/17/2018 11:45 PM	8.11	9/18/2018 11:45 PM	8.14

AVG 8.15 AVG 8.11 AVG 8.09

Date And Time	pH	Date And Time	pH	Date And Time	pH
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9/19/2018 12:15 AM	8.12	9/20/2018 12:15 AM	8.11	9/21/2018 12:15 AM	8.08
9/19/2018 12:30 AM	8.11	9/20/2018 12:30 AM	8.11	9/21/2018 12:30 AM	8.10
9/19/2018 12:45 AM	8.11	9/20/2018 12:45 AM	8.11	9/21/2018 12:45 AM	8.13
9/19/2018 1:00 AM	8.11	9/20/2018 1:00 AM	8.11	9/21/2018 1:00 AM	8.14
9/19/2018 1:15 AM	8.11	9/20/2018 1:15 AM	8.11	9/21/2018 1:15 AM	8.14
9/19/2018 1:30 AM	8.07	9/20/2018 1:30 AM	8.08	9/21/2018 1:30 AM	8.15
9/19/2018 1:45 AM	8.07	9/20/2018 1:45 AM	8.08	9/21/2018 1:45 AM	8.14
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9/19/2018 2:15 AM	8.06	9/20/2018 2:15 AM	8.09	9/21/2018 2:15 AM	8.13
9/19/2018 2:30 AM	8.06	9/20/2018 2:30 AM	8.13	9/21/2018 2:30 AM	8.13
9/19/2018 2:45 AM	8.06	9/20/2018 2:45 AM	8.13	9/21/2018 2:45 AM	8.12
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9/19/2018 4:15 AM	8.13	9/20/2018 4:15 AM	8.11	9/21/2018 4:15 AM	8.08
9/19/2018 4:30 AM	8.12	9/20/2018 4:30 AM	8.07	9/21/2018 4:30 AM	8.08
9/19/2018 4:45 AM	8.12	9/20/2018 4:45 AM	8.07	9/21/2018 4:45 AM	8.12
9/19/2018 5:00 AM	8.11	9/20/2018 5:00 AM	8.07	9/21/2018 5:00 AM	8.15
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9/19/2018 5:30 AM	8.11	9/20/2018 5:30 AM	8.07	9/21/2018 5:30 AM	8.16
9/19/2018 5:45 AM	8.11	9/20/2018 5:45 AM	8.07	9/21/2018 5:45 AM	8.15
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9/19/2018 9:30 AM	7.98	9/20/2018 9:30 AM	8.06	9/21/2018 9:30 AM	8.12
9/19/2018 9:45 AM	7.95	9/20/2018 9:45 AM	8.05	9/21/2018 9:45 AM	8.14
9/19/2018 10:00 AM	7.95	9/20/2018 10:00 AM	8.04	9/21/2018 10:00 AM	8.15
9/19/2018 10:15 AM	7.95	9/20/2018 10:15 AM	8.03	9/21/2018 10:15 AM	8.14
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9/19/2018 12:15 PM	7.91	9/20/2018 12:15 PM	8.03	9/21/2018 12:15 PM	8.08
9/19/2018 12:30 PM	8.00	9/20/2018 12:30 PM	8.02	9/21/2018 12:30 PM	8.07
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9/19/2018 4:45 PM	8.04	9/20/2018 4:45 PM	8.15	9/21/2018 4:45 PM	8.12
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9/19/2018 5:15 PM	8.04	9/20/2018 5:15 PM	8.15	9/21/2018 5:15 PM	8.12
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9/19/2018 6:15 PM	8.10	9/20/2018 6:15 PM	8.12	9/21/2018 6:15 PM	8.13
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9/19/2018 6:45 PM	8.11	9/20/2018 6:45 PM	8.11	9/21/2018 6:45 PM	8.13
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9/19/2018 8:15 PM	8.10	9/20/2018 8:15 PM	8.12	9/21/2018 8:15 PM	8.14
9/19/2018 8:30 PM	8.10	9/20/2018 8:30 PM	8.13	9/21/2018 8:30 PM	8.14
9/19/2018 8:45 PM	8.09	9/20/2018 8:45 PM	8.13	9/21/2018 8:45 PM	8.14
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9/19/2018 11:00 PM	8.11	9/20/2018 11:00 PM	8.09	9/21/2018 11:00 PM	8.08
9/19/2018 11:15 PM	8.11	9/20/2018 11:15 PM	8.09	9/21/2018 11:15 PM	8.08
9/19/2018 11:30 PM	8.11	9/20/2018 11:30 PM	8.09	9/21/2018 11:30 PM	8.08
9/19/2018 11:45 PM	8.11	9/20/2018 11:45 PM	8.09	9/21/2018 11:45 PM	8.08

AVG 8.06 AVG 8.09 AVG 8.11

Date And Time	pH	Date And Time	pH	Date And Time	pH
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9/22/2018 12:15 AM	8.08	9/23/2018 12:15 AM	8.08	9/24/2018 12:15 AM	8.14
9/22/2018 12:30 AM	8.07	9/23/2018 12:30 AM	8.08	9/24/2018 12:30 AM	8.18
9/22/2018 12:45 AM	8.07	9/23/2018 12:45 AM	8.08	9/24/2018 12:45 AM	8.16
9/22/2018 1:00 AM	8.07	9/23/2018 1:00 AM	8.08	9/24/2018 1:00 AM	8.16
9/22/2018 1:15 AM	8.07	9/23/2018 1:15 AM	8.08	9/24/2018 1:15 AM	8.15
9/22/2018 1:30 AM	8.07	9/23/2018 1:30 AM	8.08	9/24/2018 1:30 AM	8.14
9/22/2018 1:45 AM	8.06	9/23/2018 1:45 AM	8.09	9/24/2018 1:45 AM	8.13
9/22/2018 2:00 AM	8.06	9/23/2018 2:00 AM	8.13	9/24/2018 2:00 AM	8.11
9/22/2018 2:15 AM	8.06	9/23/2018 2:15 AM	8.17	9/24/2018 2:15 AM	8.12
9/22/2018 2:30 AM	8.06	9/23/2018 2:30 AM	8.18	9/24/2018 2:30 AM	8.13
9/22/2018 2:45 AM	8.06	9/23/2018 2:45 AM	8.17	9/24/2018 2:45 AM	8.13
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9/22/2018 3:15 AM	8.06	9/23/2018 3:15 AM	8.15	9/24/2018 3:15 AM	8.07
9/22/2018 3:30 AM	8.07	9/23/2018 3:30 AM	8.14	9/24/2018 3:30 AM	8.07
9/22/2018 3:45 AM	8.09	9/23/2018 3:45 AM	8.14	9/24/2018 3:45 AM	8.07
9/22/2018 4:00 AM	8.10	9/23/2018 4:00 AM	8.14	9/24/2018 4:00 AM	8.07
9/22/2018 4:15 AM	8.11	9/23/2018 4:15 AM	8.14	9/24/2018 4:15 AM	8.07
9/22/2018 4:30 AM	8.11	9/23/2018 4:30 AM	8.09	9/24/2018 4:30 AM	8.07
9/22/2018 4:45 AM	8.10	9/23/2018 4:45 AM	8.09	9/24/2018 4:45 AM	8.06
9/22/2018 5:00 AM	8.11	9/23/2018 5:00 AM	8.09	9/24/2018 5:00 AM	8.13
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9/22/2018 5:30 AM	8.11	9/23/2018 5:30 AM	8.09	9/24/2018 5:30 AM	8.17
9/22/2018 5:45 AM	8.11	9/23/2018 5:45 AM	8.09	9/24/2018 5:45 AM	8.15
9/22/2018 6:00 AM	8.07	9/23/2018 6:00 AM	8.09	9/24/2018 6:00 AM	8.14
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9/22/2018 6:45 AM	8.07	9/23/2018 6:45 AM	8.17	9/24/2018 6:45 AM	8.13
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9/22/2018 11:30 AM	8.05	9/23/2018 11:30 AM	8.18	9/24/2018 11:30 AM	8.10
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9/22/2018 1:30 PM	8.16	9/23/2018 1:30 PM	8.14	9/24/2018 1:30 PM	8.08
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9/22/2018 2:30 PM	8.13	9/23/2018 2:30 PM	8.08	9/24/2018 2:30 PM	8.15
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9/22/2018 9:15 PM	8.08	9/23/2018 9:15 PM	8.15	9/24/2018 9:15 PM	8.07
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9/22/2018 9:45 PM	8.15	9/23/2018 9:45 PM	8.14	9/24/2018 9:45 PM	8.07
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9/22/2018 11:15 PM	8.13	9/23/2018 11:15 PM	8.08	9/24/2018 11:15 PM	8.18
9/22/2018 11:30 PM	8.13	9/23/2018 11:30 PM	8.08	9/24/2018 11:30 PM	8.19
9/22/2018 11:45 PM	8.12	9/23/2018 11:45 PM	8.07	9/24/2018 11:45 PM	8.18

AVG 8.10 AVG 8.12 AVG 8.11

Date And Time	pH	Date And Time	pH	Date And Time	pH
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9/25/2018 12:30 AM	8.13	9/26/2018 12:30 AM	8.07	9/27/2018 12:30 AM	8.14
9/25/2018 12:45 AM	8.13	9/26/2018 12:45 AM	8.06	9/27/2018 12:45 AM	8.17
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9/25/2018 1:15 AM	8.13	9/26/2018 1:15 AM	8.04	9/27/2018 1:15 AM	8.19
9/25/2018 1:30 AM	8.08	9/26/2018 1:30 AM	8.06	9/27/2018 1:30 AM	8.18
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9/25/2018 4:30 AM	8.16	9/26/2018 4:30 AM	8.08	9/27/2018 4:30 AM	8.13
9/25/2018 4:45 AM	8.15	9/26/2018 4:45 AM	8.07	9/27/2018 4:45 AM	8.13
9/25/2018 5:00 AM	8.14	9/26/2018 5:00 AM	8.07	9/27/2018 5:00 AM	8.18
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9/25/2018 5:30 AM	8.14	9/26/2018 5:30 AM	8.07	9/27/2018 5:30 AM	8.21
9/25/2018 5:45 AM	8.13	9/26/2018 5:45 AM	8.07	9/27/2018 5:45 AM	8.20
9/25/2018 6:00 AM	8.07	9/26/2018 6:00 AM	8.07	9/27/2018 6:00 AM	8.19
9/25/2018 6:15 AM	8.07	9/26/2018 6:15 AM	8.07	9/27/2018 6:15 AM	8.18
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9/25/2018 2:30 PM	8.15	9/26/2018 2:30 PM	7.86	9/27/2018 2:30 PM	8.21
9/25/2018 2:45 PM	8.14	9/26/2018 2:45 PM	7.88	9/27/2018 2:45 PM	8.19
9/25/2018 3:00 PM	8.14	9/26/2018 3:00 PM	7.83	9/27/2018 3:00 PM	8.18
9/25/2018 3:15 PM	8.15	9/26/2018 3:15 PM	7.92	9/27/2018 3:15 PM	8.18
9/25/2018 3:30 PM	8.14	9/26/2018 3:30 PM	8.01	9/27/2018 3:30 PM	8.18
9/25/2018 3:45 PM	8.13	9/26/2018 3:45 PM	8.05	9/27/2018 3:45 PM	8.18
9/25/2018 4:00 PM	8.12	9/26/2018 4:00 PM	8.09	9/27/2018 4:00 PM	8.18
9/25/2018 4:15 PM	8.10	9/26/2018 4:15 PM	8.15	9/27/2018 4:15 PM	8.18
9/25/2018 4:30 PM	8.08	9/26/2018 4:30 PM	8.14	9/27/2018 4:30 PM	8.18
9/25/2018 4:45 PM	8.09	9/26/2018 4:45 PM	8.14	9/27/2018 4:45 PM	8.18
9/25/2018 5:00 PM	8.07	9/26/2018 5:00 PM	8.15	9/27/2018 5:00 PM	8.18
9/25/2018 5:15 PM	8.07	9/26/2018 5:15 PM	8.15	9/27/2018 5:15 PM	8.18
9/25/2018 5:30 PM	8.08	9/26/2018 5:30 PM	8.15	9/27/2018 5:30 PM	8.18
9/25/2018 5:45 PM	8.10	9/26/2018 5:45 PM	8.15	9/27/2018 5:45 PM	8.13
9/25/2018 6:00 PM	8.10	9/26/2018 6:00 PM	8.13	9/27/2018 6:00 PM	8.11
9/25/2018 6:15 PM	8.10	9/26/2018 6:15 PM	8.12	9/27/2018 6:15 PM	8.11
9/25/2018 6:30 PM	8.09	9/26/2018 6:30 PM	8.12	9/27/2018 6:30 PM	8.12
9/25/2018 6:45 PM	8.09	9/26/2018 6:45 PM	8.12	9/27/2018 6:45 PM	8.21
9/25/2018 7:00 PM	8.09	9/26/2018 7:00 PM	8.12	9/27/2018 7:00 PM	8.22
9/25/2018 7:15 PM	8.09	9/26/2018 7:15 PM	8.12	9/27/2018 7:15 PM	8.21
9/25/2018 7:30 PM	8.08	9/26/2018 7:30 PM	8.12	9/27/2018 7:30 PM	8.19
9/25/2018 7:45 PM	8.07	9/26/2018 7:45 PM	8.12	9/27/2018 7:45 PM	8.18
9/25/2018 8:00 PM	8.07	9/26/2018 8:00 PM	8.12	9/27/2018 8:00 PM	8.18
9/25/2018 8:15 PM	8.08	9/26/2018 8:15 PM	8.14	9/27/2018 8:15 PM	8.18
9/25/2018 8:30 PM	8.08	9/26/2018 8:30 PM	8.15	9/27/2018 8:30 PM	8.18
9/25/2018 8:45 PM	8.08	9/26/2018 8:45 PM	8.16	9/27/2018 8:45 PM	8.18
9/25/2018 9:00 PM	8.08	9/26/2018 9:00 PM	8.16	9/27/2018 9:00 PM	8.12
9/25/2018 9:15 PM	8.10	9/26/2018 9:15 PM	8.16	9/27/2018 9:15 PM	8.12
9/25/2018 9:30 PM	8.13	9/26/2018 9:30 PM	8.15	9/27/2018 9:30 PM	8.11
9/25/2018 9:45 PM	8.13	9/26/2018 9:45 PM	8.14	9/27/2018 9:45 PM	8.10
9/25/2018 10:00 PM	8.13	9/26/2018 10:00 PM	8.14	9/27/2018 10:00 PM	8.11
9/25/2018 10:15 PM	8.13	9/26/2018 10:15 PM	8.14	9/27/2018 10:15 PM	8.11
9/25/2018 10:30 PM	8.11	9/26/2018 10:30 PM	8.12	9/27/2018 10:30 PM	8.11
9/25/2018 10:45 PM	8.11	9/26/2018 10:45 PM	8.12	9/27/2018 10:45 PM	8.11
9/25/2018 11:00 PM	8.10	9/26/2018 11:00 PM	8.11	9/27/2018 11:00 PM	8.19
9/25/2018 11:15 PM	8.10	9/26/2018 11:15 PM	8.11	9/27/2018 11:15 PM	8.21
9/25/2018 11:30 PM	8.10	9/26/2018 11:30 PM	8.11	9/27/2018 11:30 PM	8.19
9/25/2018 11:45 PM	8.10	9/26/2018 11:45 PM	8.12	9/27/2018 11:45 PM	8.18

AVG 8.11 AVG 8.07 AVG 8.16

Date And Time	pH	Date And Time	pH	Date And Time	pH
9/28/2018 12:00 AM	8.18	9/29/2018 12:00 AM	8.15	9/30/2018 12:00 AM	8.16
9/28/2018 12:15 AM	8.18	9/29/2018 12:15 AM	8.15	9/30/2018 12:15 AM	8.16
9/28/2018 12:30 AM	8.18	9/29/2018 12:30 AM	8.15	9/30/2018 12:30 AM	8.16
9/28/2018 12:45 AM	8.17	9/29/2018 12:45 AM	8.15	9/30/2018 12:45 AM	8.18
9/28/2018 1:00 AM	8.17	9/29/2018 1:00 AM	8.15	9/30/2018 1:00 AM	8.21
9/28/2018 1:15 AM	8.18	9/29/2018 1:15 AM	8.15	9/30/2018 1:15 AM	8.22
9/28/2018 1:30 AM	8.11	9/29/2018 1:30 AM	8.15	9/30/2018 1:30 AM	8.21
9/28/2018 1:45 AM	8.12	9/29/2018 1:45 AM	8.15	9/30/2018 1:45 AM	8.20
9/28/2018 2:00 AM	8.12	9/29/2018 2:00 AM	8.15	9/30/2018 2:00 AM	8.20
9/28/2018 2:15 AM	8.12	9/29/2018 2:15 AM	8.20	9/30/2018 2:15 AM	8.20
9/28/2018 2:30 AM	8.12	9/29/2018 2:30 AM	8.22	9/30/2018 2:30 AM	8.20
9/28/2018 2:45 AM	8.12	9/29/2018 2:45 AM	8.22	9/30/2018 2:45 AM	8.20
9/28/2018 3:00 AM	8.12	9/29/2018 3:00 AM	8.20	9/30/2018 3:00 AM	8.16
9/28/2018 3:15 AM	8.21	9/29/2018 3:15 AM	8.19	9/30/2018 3:15 AM	8.15
9/28/2018 3:30 AM	8.23	9/29/2018 3:30 AM	8.19	9/30/2018 3:30 AM	8.15
9/28/2018 3:45 AM	8.23	9/29/2018 3:45 AM	8.19	9/30/2018 3:45 AM	8.15
9/28/2018 4:00 AM	8.21	9/29/2018 4:00 AM	8.19	9/30/2018 4:00 AM	8.15
9/28/2018 4:15 AM	8.19	9/29/2018 4:15 AM	8.19	9/30/2018 4:15 AM	8.15
9/28/2018 4:30 AM	8.19	9/29/2018 4:30 AM	8.15	9/30/2018 4:30 AM	8.15
9/28/2018 4:45 AM	8.18	9/29/2018 4:45 AM	8.14	9/30/2018 4:45 AM	8.21
9/28/2018 5:00 AM	8.18	9/29/2018 5:00 AM	8.14	9/30/2018 5:00 AM	8.23
9/28/2018 5:15 AM	8.18	9/29/2018 5:15 AM	8.14	9/30/2018 5:15 AM	8.23
9/28/2018 5:30 AM	8.18	9/29/2018 5:30 AM	8.14	9/30/2018 5:30 AM	8.21
9/28/2018 5:45 AM	8.18	9/29/2018 5:45 AM	8.14	9/30/2018 5:45 AM	8.20
9/28/2018 6:00 AM	8.12	9/29/2018 6:00 AM	8.14	9/30/2018 6:00 AM	8.20
9/28/2018 6:15 AM	8.12	9/29/2018 6:15 AM	8.14	9/30/2018 6:15 AM	8.19
9/28/2018 6:30 AM	8.12	9/29/2018 6:30 AM	8.19	9/30/2018 6:30 AM	8.19
9/28/2018 6:45 AM	8.12	9/29/2018 6:45 AM	8.22	9/30/2018 6:45 AM	8.19
9/28/2018 7:00 AM	8.12	9/29/2018 7:00 AM	8.23	9/30/2018 7:00 AM	8.19
9/28/2018 7:15 AM	8.12	9/29/2018 7:15 AM	8.22	9/30/2018 7:15 AM	8.19
9/28/2018 7:30 AM	8.12	9/29/2018 7:30 AM	8.20	9/30/2018 7:30 AM	8.15
9/28/2018 7:45 AM	8.12	9/29/2018 7:45 AM	8.20	9/30/2018 7:45 AM	8.15
9/28/2018 8:00 AM	8.19	9/29/2018 8:00 AM	8.19	9/30/2018 8:00 AM	8.15
9/28/2018 8:15 AM	8.22	9/29/2018 8:15 AM	8.19	9/30/2018 8:15 AM	8.15
9/28/2018 8:30 AM	8.22	9/29/2018 8:30 AM	8.18	9/30/2018 8:30 AM	8.14
9/28/2018 8:45 AM	8.20	9/29/2018 8:45 AM	8.18	9/30/2018 8:45 AM	8.14
9/28/2018 9:00 AM	8.18	9/29/2018 9:00 AM	8.14	9/30/2018 9:00 AM	8.14
9/28/2018 9:15 AM	8.16	9/29/2018 9:15 AM	8.13	9/30/2018 9:15 AM	8.14
9/28/2018 9:30 AM	8.14	9/29/2018 9:30 AM	8.13	9/30/2018 9:30 AM	8.18
9/28/2018 9:45 AM	8.12	9/29/2018 9:45 AM	8.12	9/30/2018 9:45 AM	8.20
9/28/2018 10:00 AM	8.09	9/29/2018 10:00 AM	8.12	9/30/2018 10:00 AM	8.19
9/28/2018 10:15 AM	8.08	9/29/2018 10:15 AM	8.11	9/30/2018 10:15 AM	8.15
9/28/2018 10:30 AM	8.00	9/29/2018 10:30 AM	8.06	9/30/2018 10:30 AM	8.11
9/28/2018 10:45 AM	7.95	9/29/2018 10:45 AM	8.06	9/30/2018 10:45 AM	8.12
9/28/2018 11:00 AM	7.90	9/29/2018 11:00 AM	8.04	9/30/2018 11:00 AM	8.10
9/28/2018 11:15 AM	7.87	9/29/2018 11:15 AM	8.04	9/30/2018 11:15 AM	8.12
9/28/2018 11:30 AM	7.84	9/29/2018 11:30 AM	8.06	9/30/2018 11:30 AM	8.15
9/28/2018 11:45 AM	7.83	9/29/2018 11:45 AM	8.07	9/30/2018 11:45 AM	8.17
9/28/2018 12:00 PM	7.86	9/29/2018 12:00 PM	8.10	9/30/2018 12:00 PM	8.13
9/28/2018 12:15 PM	7.91	9/29/2018 12:15 PM	8.11	9/30/2018 12:15 PM	8.06
9/28/2018 12:30 PM	7.98	9/29/2018 12:30 PM	8.12	9/30/2018 12:30 PM	8.02
9/28/2018 12:45 PM	8.02	9/29/2018 12:45 PM	8.14	9/30/2018 12:45 PM	7.94
9/28/2018 1:00 PM	8.03	9/29/2018 1:00 PM	8.13	9/30/2018 1:00 PM	7.91
9/28/2018 1:15 PM	8.03	9/29/2018 1:15 PM	8.13	9/30/2018 1:15 PM	7.87
9/28/2018 1:30 PM	8.06	9/29/2018 1:30 PM	8.05	9/30/2018 1:30 PM	7.90
9/28/2018 1:45 PM	8.05	9/29/2018 1:45 PM	8.07	9/30/2018 1:45 PM	7.96
9/28/2018 2:00 PM	8.04	9/29/2018 2:00 PM	8.05	9/30/2018 2:00 PM	7.97
9/28/2018 2:15 PM	8.06	9/29/2018 2:15 PM	8.04	9/30/2018 2:15 PM	8.01
9/28/2018 2:30 PM	8.05	9/29/2018 2:30 PM	8.06	9/30/2018 2:30 PM	8.13
9/28/2018 2:45 PM	8.07	9/29/2018 2:45 PM	8.02	9/30/2018 2:45 PM	8.18
9/28/2018 3:00 PM	8.05	9/29/2018 3:00 PM	8.04	9/30/2018 3:00 PM	8.17
9/28/2018 3:15 PM	8.13	9/29/2018 3:15 PM	8.08	9/30/2018 3:15 PM	8.17
9/28/2018 3:30 PM	8.14	9/29/2018 3:30 PM	8.11	9/30/2018 3:30 PM	8.16
9/28/2018 3:45 PM	8.14	9/29/2018 3:45 PM	8.13	9/30/2018 3:45 PM	8.15
9/28/2018 4:00 PM	8.13	9/29/2018 4:00 PM	8.14	9/30/2018 4:00 PM	8.15
9/28/2018 4:15 PM	8.12	9/29/2018 4:15 PM	8.15	9/30/2018 4:15 PM	8.16
9/28/2018 4:30 PM	8.11	9/29/2018 4:30 PM	8.16	9/30/2018 4:30 PM	8.14
9/28/2018 4:45 PM	8.08	9/29/2018 4:45 PM	8.19	9/30/2018 4:45 PM	8.13
9/28/2018 5:00 PM	8.09	9/29/2018 5:00 PM	8.19	9/30/2018 5:00 PM	8.13
9/28/2018 5:15 PM	8.09	9/29/2018 5:15 PM	8.17	9/30/2018 5:15 PM	8.13
9/28/2018 5:30 PM	8.13	9/29/2018 5:30 PM	8.18	9/30/2018 5:30 PM	8.14
9/28/2018 5:45 PM	8.14	9/29/2018 5:45 PM	8.18	9/30/2018 5:45 PM	8.13
9/28/2018 6:00 PM	8.16	9/29/2018 6:00 PM	8.15	9/30/2018 6:00 PM	8.13
9/28/2018 6:15 PM	8.16	9/29/2018 6:15 PM	8.16	9/30/2018 6:15 PM	8.12
9/28/2018 6:30 PM	8.15	9/29/2018 6:30 PM	8.17	9/30/2018 6:30 PM	8.15
9/28/2018 6:45 PM	8.16	9/29/2018 6:45 PM	8.17	9/30/2018 6:45 PM	8.16
9/28/2018 7:00 PM	8.16	9/29/2018 7:00 PM	8.17	9/30/2018 7:00 PM	8.17
9/28/2018 7:15 PM	8.16	9/29/2018 7:15 PM	8.18	9/30/2018 7:15 PM	8.17
9/28/2018 7:30 PM	8.16	9/29/2018 7:30 PM	8.18	9/30/2018 7:30 PM	8.17
9/28/2018 7:45 PM	8.16	9/29/2018 7:45 PM	8.18	9/30/2018 7:45 PM	8.17
9/28/2018 8:00 PM	8.15	9/29/2018 8:00 PM	8.17	9/30/2018 8:00 PM	8.17
9/28/2018 8:15 PM	8.16	9/29/2018 8:15 PM	8.20	9/30/2018 8:15 PM	8.17
9/28/2018 8:30 PM	8.16	9/29/2018 8:30 PM	8.21	9/30/2018 8:30 PM	8.17
9/28/2018 8:45 PM	8.16	9/29/2018 8:45 PM	8.21	9/30/2018 8:45 PM	8.17
9/28/2018 9:00 PM	8.16	9/29/2018 9:00 PM	8.20	9/30/2018 9:00 PM	8.15
9/28/2018 9:15 PM	8.16	9/29/2018 9:15 PM	8.20	9/30/2018 9:15 PM	8.14
9/28/2018 9:30 PM	8.19	9/29/2018 9:30 PM	8.20	9/30/2018 9:30 PM	8.14
9/28/2018 9:45 PM	8.20	9/29/2018 9:45 PM	8.19	9/30/2018 9:45 PM	8.14
9/28/2018 10:00 PM	8.20	9/29/2018 10:00 PM	8.19	9/30/2018 10:00 PM	8.14
9/28/2018 10:15 PM	8.19	9/29/2018 10:15 PM	8.19	9/30/2018 10:15 PM	8.14
9/28/2018 10:30 PM	8.19	9/29/2018 10:30 PM	8.19	9/30/2018 10:30 PM	8.14
9/28/2018 10:45 PM	8.18	9/29/2018 10:45 PM	8.19	9/30/2018 10:45 PM	8.14
9/28/2018 11:00 PM	8.18	9/29/2018 11:00 PM	8.19	9/30/2018 11:00 PM	8.16
9/28/2018 11:15 PM	8.18	9/29/2018 11:15 PM	8.19	9/30/2018 11:15 PM	8.18
9/28/2018 11:30 PM	8.18	9/29/2018 11:30 PM	8.19	9/30/2018 11:30 PM	8.19
9/28/2018 11:45 PM	8.18	9/29/2018 11:45 PM	8.19	9/30/2018 11:45 PM	8.19

AVG 8.12 AVG 8.15 AVG 8.14

MIN	7.77
MAX	8.31

Avtex Fibers
Front Royal, VA
Outfall 004
September 2018 DMR

Sample Date	Sample ID	BOD, mg/L	BOD, kg/d	TSS, mg/L	TSS, kg/d
9/5/2018	AF9-5FE	0.0	0.0	0.0	0.0
9/10/2018	AF9-10FE	0.0	0.0	0.0	0.0
9/18/2018	AF9-18FE	0.0	0.0	0.0	0.0
9/25/2018	AF9-25FE	0.0	0.0	0.0	0.0
Daily Maximum:		0.0	0.0	0.0	0.0
Monthly Avg:		0.0	0.0	0.0	0.0

Monthly Average – Compliance with the monthly average limitations and/or reporting requirements for the parameters listed in Part I.C.1 shall be determined as follows: All concentration data below the QL used for the analysis shall be treated as zero. All concentration data equal to or above the QL used for the analysis shall be treated as it is reported. An arithmetic average shall be calculated using all reported data for the month, including the defined zeros. This arithmetic average shall be reported on the Discharge Monitoring Report (DMR) as calculated. If all data are below the QL used for the analysis, then the average shall be reported as "<QL". If reporting for quantity is required on the DMR and the reported monthly average concentration is <QL, then report "<QL" for the quantity. Otherwise use the reported concentration data (including the defined zeros) and flow data for each sample day to determine the daily quantity and report the monthly average of the calculated daily quantities.

Daily Maximum – Compliance with the daily maximum limitations and/or reporting requirements for the parameters listed in Part I.C.1 shall be determined as follows: All concentration data below the QL used for the analysis shall be treated as zero. All concentration data equal to or above the QL used for the analysis shall be treated as reported. An arithmetic average shall be calculated using all reported data, including the defined zeros, collected within each day during the reporting month. The maximum value of these daily averages thus determined shall be reported on the DMR as the Daily Maximum. If all data are below the QL used for the analysis, then the maximum value of the daily averages shall be reported as "<QL". If reporting for quantity is required on the DMR and the reported daily maximum concentration is <QL, then report "<QL" for the quantity. Otherwise use the reported daily average concentrations (including the defined zeros) and corresponding daily flows to determine daily average quantities and report the maximum of the daily average quantities during the reporting month.

Loading Derivation
If 1 ppm (= 1 mg/L) and 1 MGD (= 1 MG/day)
--> (1 mg/L)(1 MG/day)(3.785 L/Gal)(10^6 Gal/MG)(1 lb/453,600 mg) = 8.34 lbs/day
--> lbs/day = ppm * 8.34 * MGD
--> kg/d = ppm * 8.34 * MGD * 0.4536*lb/d
Concentration Derivation
If 1 lb/d and 1 MGD (= 1 MG/day)
[(1 lbs/day)(453,600 mg/lb)] / [(1 MG/d)(10^6 Gal/MG)(3.785 L/Gal)]
--> ppm = lb/d ^ (1/8.34) ^ (1/MGD)

BOD

9/5/2018	0
9/10/2018	0
9/18/2018	0
9/25/2018	0

AVG

0

TSS

9/5/2018	0
9/10/2018	0
9/18/2018	0
9/25/2018	0

AVG

0

CS2*

9/18/2018	0.000	ug/L
9/18/2018	0.0000	mg/L
9/18/2018	0.0000	kg/d

*Note: CS2 EPA Test Method: 8260 MSV Low Level Analytical Method (EPA 8260)

Report Limit 2 ug/L
MDL 1.2 ug/L

Attachment 4
Preliminary Site-Wide Quarterly
Inspection

Quarterly Inspection Report

Inspected by: M. Harder / M. Robinson
 Report No.: 2018-09

Date: 09-26-2018
 Areas Inspected: See Map

Questions	Response	Comments and Recommendations
1. Remediation/Restoration Areas		
Is settlement or standing water evident? If Yes, describe the degree of settlement(s) (slight, moderate, significant), record approximate dimensions, and indicate the location(s) on an attached map.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Slight to moderate settlement in small/isolated areas. Standing water present in nine areas (SE of VB-2&3, around wells 103/203/303, near LS-2, on roadway to LS-1, two areas on top of VB-9, two areas on top of VB-10, and two areas on top of SB-3) of the site during this inspection.
Is erosion evident? If Yes, describe the type of erosion (rills, gullies), record approximate dimensions (length, width, depth) and indicate location(s) on an attached map.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Are potential leachate seeps evident or migration of contamination? If Yes, describe the nature (size, color, flow rate), record location on an attached map, and photograph. [Note: Check former seep areas in unnamed tributary north of VB 4-6, check pond area north of VB 9, and check other likely areas (e.g., embankments of VBs, SBs)]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	See map for locations. Potential seeps: -South of LS2 (standing water present) -SE of VB-2&3 (Standing water present) -NW of VB-7&8 (Dry)
Do landfill/basin embankments show signs of erosion, failure (e.g., cracking, sloughing) or migration of contamination (e.g., seeps, exposed waste)? If Yes, describe the nature (type, size), record location on an attached map, and photograph [Note: Check river-side of embankments along river, if safe to do so.]	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Is vegetation distressed or are bare areas evident? If Yes, describe the type of disorder (distressed, sparsely vegetated, bare), record approximate dimensions and indicate location(s) on an attached map.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Isolated/minor bare areas noted. See map for locations. With few exceptions, vegetation is filling in.

Quarterly Inspection Report

Inspected by: M. Harder / M. Robinson
 Report No.: 2018-09

Date: 09-26-2018
 Areas Inspected: See Map

Questions	Response	Comments and Recommendations	
Is there woody vegetation greater than 2 inches in diameter or 5 feet in height on the cover system(s)? If Yes, describe where and actions to be taken (refer to Section 4.2 of the O&M Plan).	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Is any other damage evident? If Yes, describe the type of damage(s) and indicate the location(s) on an attached map.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Are obstruction(s) (brush, debris, timber, leaves, sediment) interfering with the proper functioning of ditches, gutters or flumes? If Yes, describe the type(s) of obstruction(s) and indicate the location(s) on an attached map.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Minor obstructions at one location: 1. Sediment building up at end of culvert southeast of VB-10 causing standing water in culvert. Issue to be monitored.
Is sediment deposited in diversion berms, ditches gutters, flumes or culverts deeper than $\frac{1}{4}$ of the original channel depth (shown on the contract drawings) or culvert diameter? If Yes, record approximate dimensions and indicate locations on an attached map.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	

Quarterly Inspection Report

Inspected by: M. Harder / M. Robinson
 Report No.: 2018-09

Date: 09-26-2018
 Areas Inspected: See Map

Questions	Response	Comments and Recommendations
2. Surface Water Drainage and Erosion Control System		
Is erosion evident? If Yes, describe the drainage structure inspected (ditch, gutter, flume, culvert, outfall, rip-rap), the type of erosion (rills, gullies, washouts, slope failure), record approximate dimensions (length, width, depth) and indicate location(s) on an attached map.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Minor erosion noted in a few isolated areas. See map for locations. Rills forming across access road to LS-1 (west of VB-4, 5, & 6). Rills have also formed on north bank of the sediment basin between the NLF and VB-2&3. Rills have re-formed across the roadway southwest of VB-10.
Is overall shape, configuration, and alignment of the drainageway as shown on the drawings? If No, describe the type of distortion (damaged, eroded, slope failure), record approximate dimensions and indicate location(s) on an attached map.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Is erosion evident at drainage outlet aprons? If Yes, record approximate dimensions and indicate location(s) on an attached map.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Inspection Checklist (check items that were inspected; document concerns noted;
refer to attached Drawings for specific areas)

Viscos Basins 1-3

<input checked="" type="checkbox"/> Vegetation	<input checked="" type="checkbox"/> Erosion	<input checked="" type="checkbox"/> Settlement	<input checked="" type="checkbox"/> Gas Vents
<input checked="" type="checkbox"/> Culvert Inlets & outlets	<input checked="" type="checkbox"/> Rip-rap channels	<input checked="" type="checkbox"/> Access road near unit	<input type="checkbox"/>

Viscos Basins 4-6

<input checked="" type="checkbox"/> Vegetation	<input checked="" type="checkbox"/> Erosion	<input checked="" type="checkbox"/> Settlement	<input checked="" type="checkbox"/> Gas Vents
<input checked="" type="checkbox"/> Culvert Inlets & outlets - N, E, & W of VB 4-6; - Pond W of VB 4-6	<input checked="" type="checkbox"/> Rip-rap channels	<input checked="" type="checkbox"/> Down chutes	<input checked="" type="checkbox"/> Gas Vent Filter & Fence
<input checked="" type="checkbox"/> Former seep area - N of VB 4-6	<input checked="" type="checkbox"/> LS #1 & #2 and Fencing	<input checked="" type="checkbox"/> Access road near unit	<input type="checkbox"/>

Viscos Basins 7-8

<input checked="" type="checkbox"/> Vegetation	<input checked="" type="checkbox"/> Erosion	<input checked="" type="checkbox"/> Settlement	<input checked="" type="checkbox"/> Gas Vents
<input checked="" type="checkbox"/> Culvert Inlets & outlets (between VB-1 and VB-7)	<input checked="" type="checkbox"/> Rip-rap channels	<input checked="" type="checkbox"/> Down chutes	<input checked="" type="checkbox"/> Leachate Collection Manhole (MW VB7)
<input checked="" type="checkbox"/> Access road near unit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Viscos Basins 9-11

<input checked="" type="checkbox"/> Vegetation	<input checked="" type="checkbox"/> Erosion	<input checked="" type="checkbox"/> Settlement	<input checked="" type="checkbox"/> Gas Vents
<input checked="" type="checkbox"/> Drop inlets on VB-11	<input checked="" type="checkbox"/> Culver inlets & outlets (S&W VB-11; N VB-11 & VB-9; and SW VB-10)	<input checked="" type="checkbox"/> Rip-rap channels	<input checked="" type="checkbox"/> Down chutes
<input checked="" type="checkbox"/> Access road near unit	<input checked="" type="checkbox"/> Seep area in pond north of VB-9	<input checked="" type="checkbox"/> VB 9-11 fence and gates	<input checked="" type="checkbox"/> LS #4 and Fencing

New Landfill

<input checked="" type="checkbox"/> Vegetation	<input checked="" type="checkbox"/> Erosion	<input checked="" type="checkbox"/> Settlement	<input checked="" type="checkbox"/> Gas Vents
<input checked="" type="checkbox"/> Culvert inlets & outlets (NE & SE of NLF)	<input checked="" type="checkbox"/> Rip-rap channels	<input checked="" type="checkbox"/> Down chutes	<input checked="" type="checkbox"/> LS #3 and Fencing
<input checked="" type="checkbox"/> Access road near unit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SB-1

<input checked="" type="checkbox"/> Vegetation	<input checked="" type="checkbox"/> Erosion	<input checked="" type="checkbox"/> Settlement	<input checked="" type="checkbox"/> Gas Vents
<input checked="" type="checkbox"/> Culvert inlets & outlets (NE SB-1; SB-2; SE SB-3; NE SB-4; & S SB-4)	<input checked="" type="checkbox"/> Rip-rap channels & outlets by River	<input checked="" type="checkbox"/> Down chutes (SB-1 & SB-4)	<input type="checkbox"/>
<input checked="" type="checkbox"/> Access road near unit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Inspection Checklist (check items that were inspected; document concerns noted;
refer to attached Drawings for specific areas)

SB-2

<input checked="" type="checkbox"/> Vegetation	<input checked="" type="checkbox"/> Erosion	<input checked="" type="checkbox"/> Settlement	<input checked="" type="checkbox"/> Culvert inlets & Outlets (S & W Sides)
<input checked="" type="checkbox"/> Berms along River (site & river side)	<input checked="" type="checkbox"/> Rip-rap channels & outlets by River	<input checked="" type="checkbox"/> Access road near unit	<input type="checkbox"/>

SB-3

<input checked="" type="checkbox"/> Vegetation	<input checked="" type="checkbox"/> Erosion	<input checked="" type="checkbox"/> Settlement	<input checked="" type="checkbox"/> Gas Vents
<input checked="" type="checkbox"/> Culvert inlets & Outlets (SE)	<input checked="" type="checkbox"/> Rip-rap channels & outlets by River	<input checked="" type="checkbox"/> Drop inlets (W side)	<input checked="" type="checkbox"/> Access Road near unit
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SB-4

<input checked="" type="checkbox"/> Vegetation	<input checked="" type="checkbox"/> Erosion	<input checked="" type="checkbox"/> Settlement	<input checked="" type="checkbox"/> Gas Vents
<input checked="" type="checkbox"/> Culvert inlets & outlets (NE & S sides)	<input checked="" type="checkbox"/> Down chutes (S Side)	<input checked="" type="checkbox"/> Drop inlet (N side)	<input checked="" type="checkbox"/> Berms along River (site & river side)
<input checked="" type="checkbox"/> Access road near unit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SB-5

<input checked="" type="checkbox"/> Vegetation	<input checked="" type="checkbox"/> Erosion	<input checked="" type="checkbox"/> Settlement	<input checked="" type="checkbox"/> Gas Vents
<input checked="" type="checkbox"/> Berms along River and E side	<input checked="" type="checkbox"/> Access Road near unit	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

FAB 1-3

<input checked="" type="checkbox"/> Vegetation	<input checked="" type="checkbox"/> Erosion	<input checked="" type="checkbox"/> Settlement	<input checked="" type="checkbox"/> Culvert inlets & outlets (E & S FAB1-2; SW FAB3)
<input checked="" type="checkbox"/> Access Road near unit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

FAS & FARA

<input checked="" type="checkbox"/> Vegetation	<input checked="" type="checkbox"/> Erosion	<input checked="" type="checkbox"/> Settlement	<input checked="" type="checkbox"/> Culvert inlets & outlets (E & N FAS; E FARA)
<input checked="" type="checkbox"/> Access Road near unit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

EL, PB 1-2, PB-3

<input checked="" type="checkbox"/> Vegetation	<input checked="" type="checkbox"/> Erosion	<input checked="" type="checkbox"/> Settlement	<input checked="" type="checkbox"/> Rip-rap Channels
<input checked="" type="checkbox"/> Culvert inlets & outlets (E & W EL; NW PB-1-2; S PB-3)	<input checked="" type="checkbox"/> Access Road near unit	<input type="checkbox"/>	<input type="checkbox"/>

Quarterly Inspection Report Photographic Log
Avtex Superfund Site
Front Royal, Virginia

Photo Number: 1

Unit: OU-10

Basin/Landfill:

VB-4, 5, & 6

Date : 09/26/2018



Photo Description: 20' x 40' area of former standing water adjacent to LS-2 (wet but no standing water).

Photo Number: 2

Unit: OU-10

Basin/Landfill:

VB-4, 5, & 6

Date : 09/26/2018



Photo Description: 20' x 40' area of former standing water adjacent to LS-2

Quarterly Inspection Report Photographic Log
Avtex Superfund Site
Front Royal, Virginia

Photo Number: 3

Unit: OU-10

Basin/Landfill:

VB-4, 5, & 6

Date : 09/26/2018



Photo Description: Rills forming on access road to LS-1 west of VB-4, 5, & 6.

Photo Number: 4

Unit: OU-10

Basin/Landfill:

VB-4, 5, & 6

Date : 09/26/2018



Photo Description: Standing water at access path to LS-1 west of VB-4, 5, & 6.

Quarterly Inspection Report Photographic Log
Avtex Superfund Site
Front Royal, Virginia

Photo Number: 5

Unit: OU-10

Basin/Landfill:

VB-4, 5, & 6

Date : 09/26/2018



Photo Description: Source of water near LS-1; exposed fabric on western slope of VB-4, 5, & 6.

Photo Number: 6

Unit: OU-10

Basin/Landfill:

VB-2&3, and NLF

Date : 09/26/2018



Photo Description: Bare soil (~10' x30') with rills southeast of VB-2&3 (Sediment basin between NLF and VB-2&3).

Quarterly Inspection Report Photographic Log
Avtex Superfund Site
Front Royal, Virginia

Photo Number: 7

Unit: OU-7

Basin/Landfill:

VB-10

Date : 09/26/2018



Photo Description: Sediment building up at end of culvert under access road.

Photo Number: 8

Unit: OU-7

Basin/Landfill:

VB-10

Date : 09/26/2018



Photo Description: Bare patches and spotty vegetation in southeast corner of VB-10. Grass is starting to fill in.

Quarterly Inspection Report Photographic Log
Avtex Superfund Site
Front Royal, Virginia

Photo Number: 9

Unit: OU-7

Basin/Landfill:

VB-10

Date : 09/26/2018



Photo Description: Bare patches and exposed matting at down chute in south side of VB-10.

Photo Number: 10

Unit: OU-7

Basin/Landfill:

VB-10

Date : 09/26/2018



Photo Description: Bare patches and exposed matting at down chute on south side of VB-10.

Quarterly Inspection Report Photographic Log
Avtex Superfund Site
Front Royal, Virginia

Photo Number: 11

Unit: OU-7

Basin/Landfill:

VB-10

Date : 09/26/2018



Photo Description: Bare soil in southwest corner of VB-10. Grass beginning to fill in.

Photo Number: 12

Unit: OU-7

Basin/Landfill:

VB-10

Date : 09/26/2018



Photo Description: Rills forming across roadway in southwest corner of VB-10

Quarterly Inspection Report Photographic Log
Avtex Superfund Site
Front Royal, Virginia

Photo Number: 13

Unit: OU-7

Basin/Landfill:

VB-10

Date : 09/26/2018



Photo Description: Standing water in southeast section of VB-10 (30' x 30').

Photo Number: 14

Unit: OU-7

Basin/Landfill:

VB-10

Date : 09/26/2018



Photo Description: Standing water in southwest section of VB-10 (30' x 30').

Quarterly Inspection Report Photographic Log
Avtex Superfund Site
Front Royal, Virginia

Photo Number: 15

Unit: OU-7

Basin/Landfill:

VB-9

Date : 09/26/2018



Photo Description: Standing water and additional settlement observed to previously repaired area of settlement on VB-9 (30' x 40').

Photo Number: 16

Unit: OU-7

Basin/Landfill:

VB-9

Date : 09/26/2018



Photo Description: Standing water and additional settlement observed to previously repaired area of settlement on VB-9 (30' x 40').

Quarterly Inspection Report Photographic Log
Avtex Superfund Site
Front Royal, Virginia

Photo Number: 17

Unit: NTCRA Basins

Basin/Landfill:

SB-1

Date : 09/26/2018



Photo Description: Standing water (40'x40') in front of northernmost inlet between SB-3 and SB-2.

Photo Number: 18

Unit: NTCRA Basins

Basin/Landfill:

FAB-6

Date : 09/26/2018



Photo Description: Small trees at inlet removed.

